

ADVANCED ENERGY SOLUTIONS

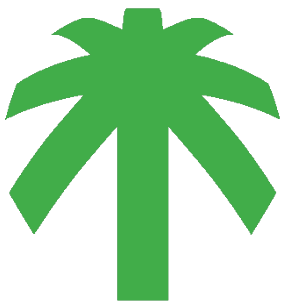
INDOOR LIGHT SOLUTIONS

LED

**PRODUCTS
PORTFOLIO**

ADVANCED ENERGY SOLUTIONS

2025



**SAUDI
MADE**

aesco.com.sa

LIGHT IS LIFE

*Lighting says everything about the working environment.
Lighting is at the heart of the way people think and build.*

Modern lighting requires products and services of the highest standards, innovative solutions, technical excellence, design flexibility and consistent performance.

ADVANCED ENERGY SOLUTIONS COMPANY was established to meet the highly growing demands of energy management and energy efficiency.

Either you own small facility or large plant we are here to give you the best solution in the field.

With a talented highly qualified engineering team we are striving to meet the highest standards using state of the art technologies to meet all requirements of our customers.

Our team also provide scientifically certified lighting studies.



MADE IN KSA

Our collection are manufactured with high quality in accordance with national/international standards with specifications to meet the harsh climate of the Arab Gulf countries.

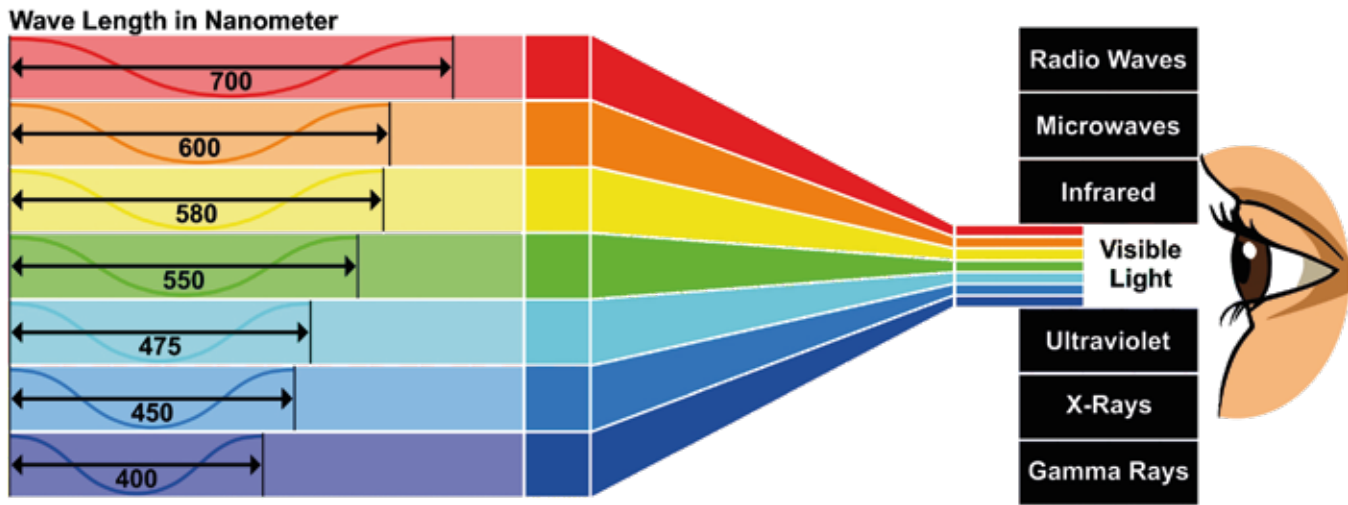
We offer a five-years warranty on all of our fixtures, as we design and calculate the body of the fixture in accordance with the LED chip and the driver to ensure the efficiency and quality of the product.

Whether indoor or outdoor fixtures with 50K hours working life and up to 100K hours as an option.



50,000 working hours

INTRODUCTION TO LIGHT SCIENCE



Light or visible light is electromagnetic radiation within the portion of the electromagnetic spectrum that can be perceived by the human eye. Visible light is usually defined as having wavelengths in the range of 400–700 nm, between the infrared (with longer wavelengths) and the ultraviolet (with shorter wavelengths).

The main source of light on Earth is the Sun. Historically, another important source of light for humans has been fire, from ancient campfires to modern LED lamps, the development of solid state materials and electronic systems give the chance of artificial lighting to simulate sun light with maximum efficiency.

The primary properties of visible light are intensity, propagation direction, frequency or wavelength spectrum.





CORRELATED COLOR TEMPERATURE (CCT)



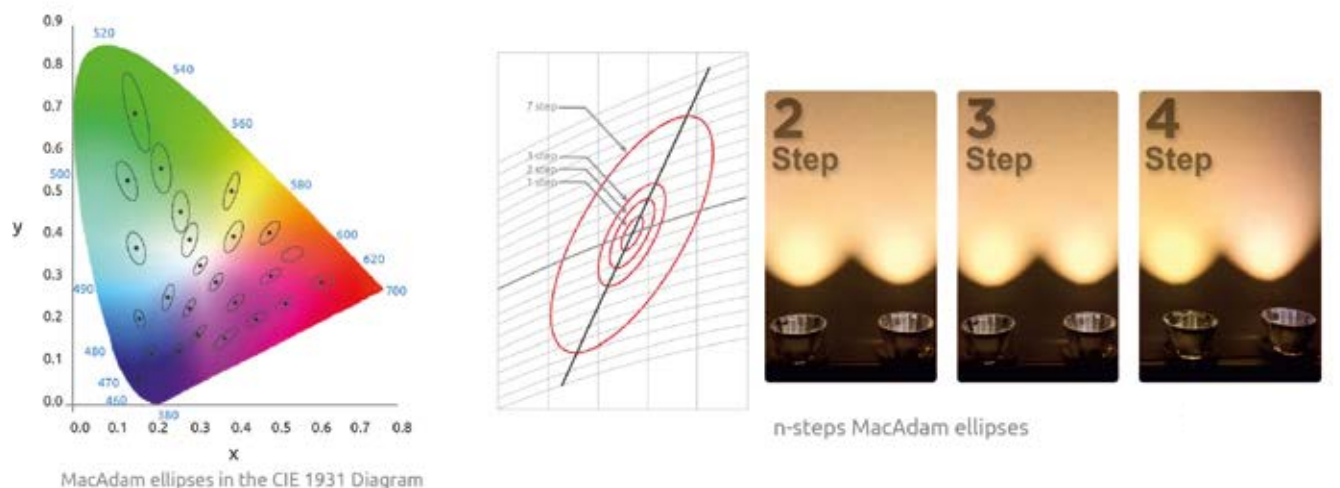
Color temperature defines the color appearance of a white LED. It's measured in the Kelvin unit and is most commonly found between 2200 Kelvin degrees and 6500 Kelvin degrees. a warm light is around 2700K, moving to neutral white at around 4000K, and to cool white, at 5000K or more.

COLOR RENDERING INDEX (CRI)



It is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source like sunlight, the CRI of the sunlight is 100, that means if the CRI is close to 100 the colors will be reflected truly and naturally, the illustration above shows how CRI can affect the appearance of colors.

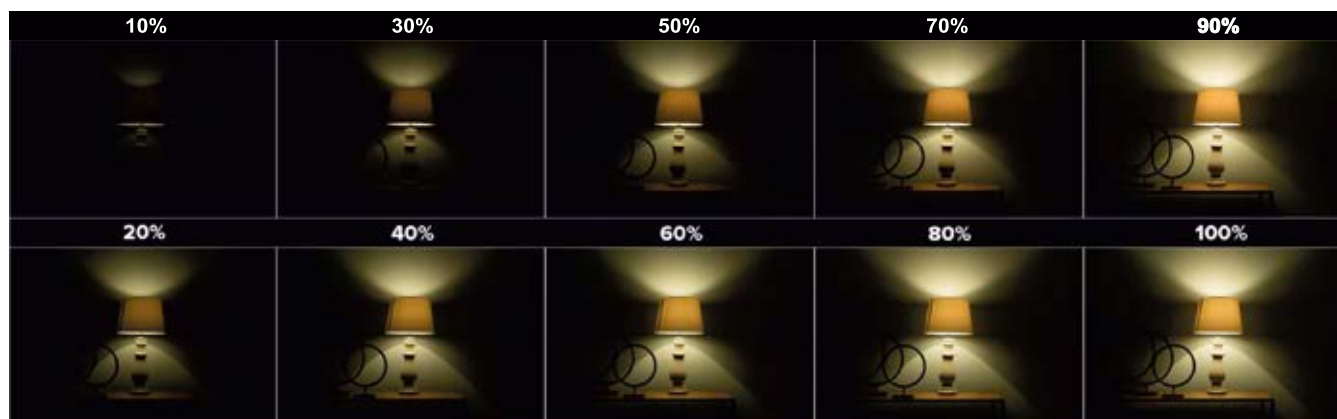
MACADAM ELLIPSE



MacAdam ellipse is a region on a chromaticity diagram (CIE 1931) which contains all colors which are indistinguishable to the average human eye, from the color at the center of the ellipse.

Slight color differences in the appearance of LED light are measured in steps, the higher the N-steps, the greater the visual difference between two white light sources.

DIMMING OF LIGHT



Dimmers are devices connected to a light fixture and used to lower the brightness of light, you can use several different dimming options to dim LED Lighting, as phase cut (Triac), 0/1-10v dimming and DALI system, but beware that the driver must support type of dimming you use.

A-Phase Cut (Triac) dimming:

This type of control is a traditional one, accomplished without any need for an additional control wires. It involves connecting a dimmer in series between one of the mains wire and the equipment.

B-0/1-10v dimming:

The 0/1-10V system enables dimming of the brightness from around 10% to 100%. This is done by sending an analogue signal (0/1-10v) to the equipment over an additional two wires control system.

C-DALI system:

Digital Addressable Lighting Interface, DALI is a digital and addressable communication interface for lighting systems. Digital signals are transmitted over a bus of two-wire control wire, used for control of large systems.

BEAMS OF LIGHT

*Beam of light is a directional projection of light energy radiating from a light source.
Different beam angles are better for certain cases;*

For example :

A display of shop goods might need a spotlight with a very narrow beam, while for office lighting you will need a wide beam fixture.

There are also special cases where beams are not symmetrical, as in street light where special type of lenses are used to distribute light.

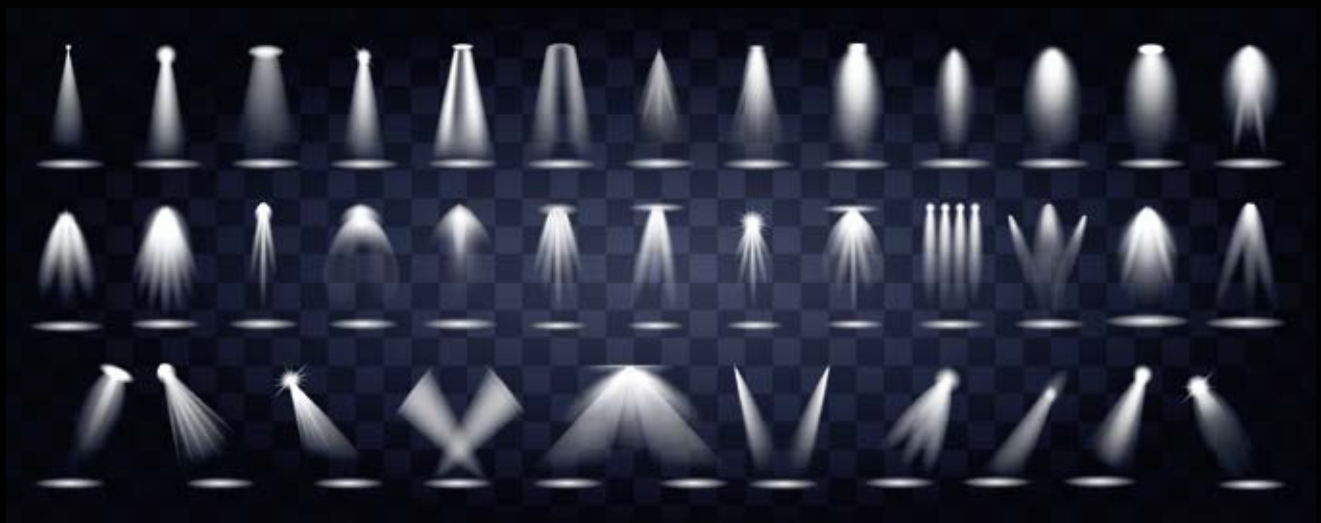
• HOMOGENEOUS BEAMS

• Wide Beams

Wide beam angle is usually used for general lighting, like office rooms and school rooms, wide beam fixtures are characterize by soft and anti-glare diffusing system with low UGR.

• Narrow Beams

Narrower beam angle is preferable when you need to illuminate surfaces and focus on smaller details.



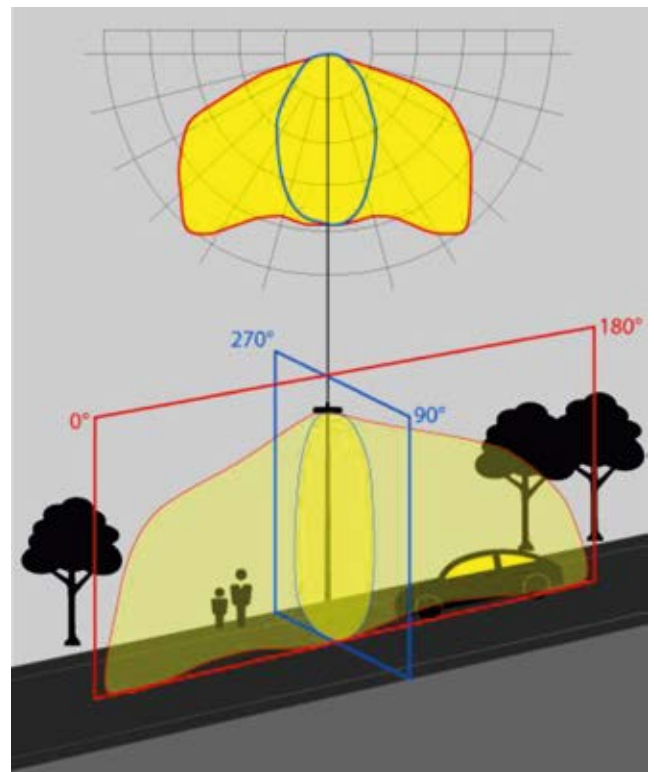
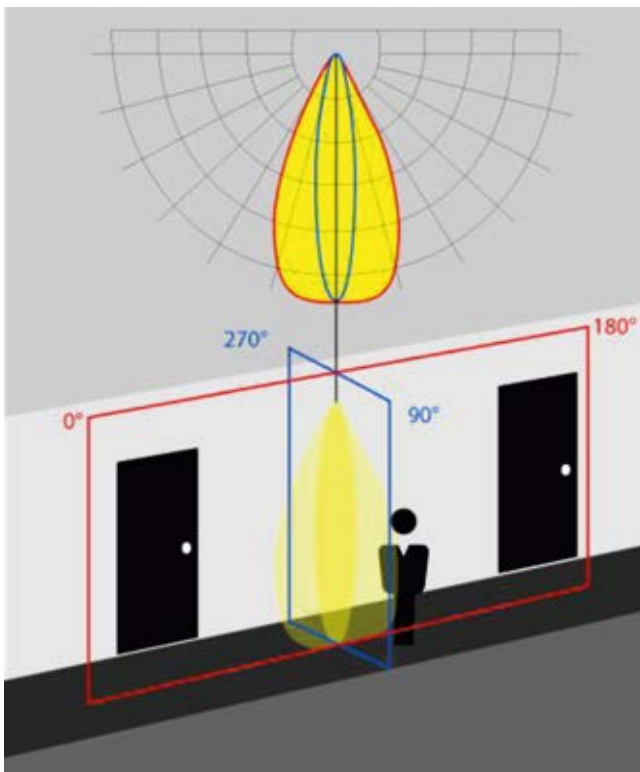
• SPECIAL BEAMS

• Street Light Beams

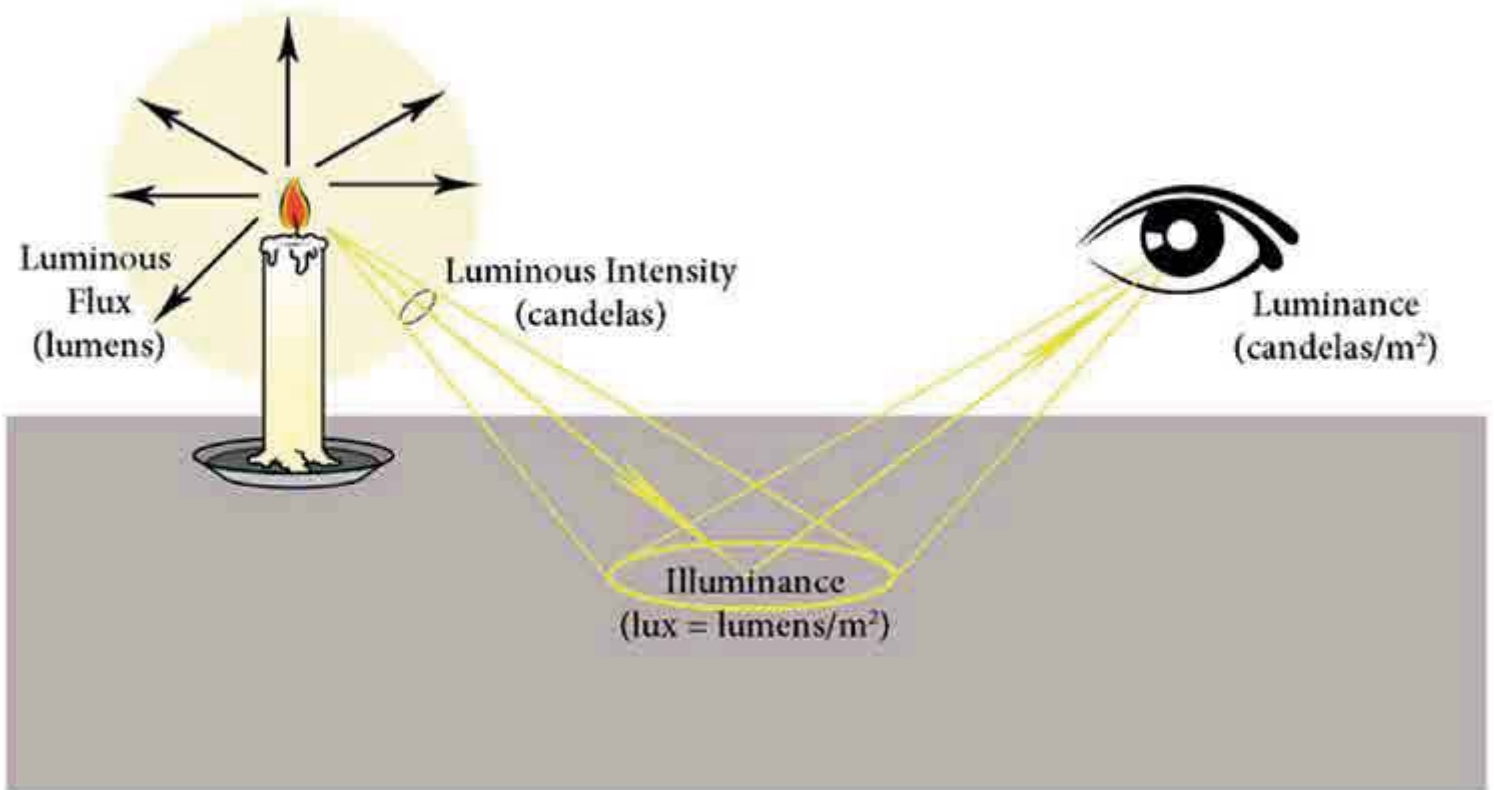
We use special lenses for street light, because beam angles of the street light need to be guided to specific direction to meet the requirement of the road, highways, multi-lane wide street, alleys.

LIGHT DISTRIBUTION CURVE

Light distribution curve is a visual representation of the light diffused by a luminaire. This graph tries to transpose a three dimensional concept (the light diffusion of a lamp or fixture in a space) onto a two dimensional medium.



MEASUREMENTS OF LIGHT



LUMINOUS FLUX (LUMENS-LM)

The luminous flux describes the quantity of light emitted by a light source.

Radiant flux is the measure of the total power of electromagnetic radiation (including infrared, ultra violet, and visible light), luminous flux describe the quantity derived from radiant flux (radiant power) by evaluating the radiation in accordance with the spectral sensitivity of the human eye. Without further specification, it refers to the initial luminous flux.

LUMINOUS EFFICACY (lm/w)

It is the ratio of the luminous flux to the electrical power consumed (lm/W). It is a measure of a light source's economic efficiency, and it indicates of how well a light source produces visible light.

LUMINOUS INTENSITY (CANDELA OR cd) $I = \frac{\Phi}{\Omega}$

Luminous flux
Solid angle

Means the total of the luminous flux leaving the source and propagated in the element of solid angle containing the given direction.

ILLUMINANCE (LUX) $E = \frac{\Phi}{A}$

Luminous flux
area (m²)

Illuminance means the quantity of light (luminous flux) hitting the surface A.

LUMINANCE (CD/M²) $L = \frac{I}{A_L \cdot \cos \epsilon}$

Luminous intensity
visible areas of light source

$L = \frac{E \cdot \rho^*}{\pi}$

reflectance of area
Solid angle

It describes on one hand a light source's impression of brightness, and on the other hand a surface specific-ations, and therefore depends to a large extent on the degree of reflection.

FEATURE ICONS

COLOR TEMPERATURE TUNING



ADJUSTABLE ANGLES



COLOR RENDERING INDEX 80



ALUMINUM BODY



RED, GREEN, BLUE & WHITE COLOR MODEL



INGRESS PROTECTION 20 OR 54



INGRESS PROTECTION 67



INDOOR INSTALLATION



INSULATION CONTACT

Recessed Luminaires that have the IC rating Can have insulation up to the sides and covering them.



INSULATION CONTACT - FIRE RESISTANT

Recessed Luminaires that have the IC-Frating can have insulation abutted to and/or covering them. These down lights are also sealed so insulation cannot get into the fitting.



CYANOSIS OBSERVATION INDEX

Visual detection of cyanosis in a patient. For Hospital and medical tasks.



EASY TO INSTALL



DIMMABLE



LUMINAIRE SUITABLE FOR DIRECT MOUNTING ON NORMALLY FLAMMABLE SURFACES



ONLY SUITABLE FOR MOUNTING ON NON COMBUSTIBLE SURFACES.



IMPACT PROTECTION



APPROVAL ICONS

ILLUMINATING ENGINEERING SOCIETY CLASSIFICATION



THREE STEP MACADAM CHIPS



FIVE YEARS WARRANTY



GERMAN CONFORMITY



EUROPE CONFORMITY



RESTRICTION OF HAZARDOUS SUBSTANCES



QUALITY ASSURED FIRM ISO9001 CERTIFICATE



FEDERAL COMMUNICATIONS COMMISSION CERTIFICATE



REGULATORY COMPLIANCE MARK



CERTIFICATE BODY



SAUDI ARABIA CONFORMITY



APPLIANCE CLASS I



APPLIANCE CLASS II





APPLIANCE CLASS III












INGRESS PROTECTION

IP Ratings are an international numeric classification to indicate the degrees of protection provided by enclosures for electrical equipment against water and solid object accordance with IEC 60598-1:2003.

IPXX

| | | |
|---|----------|--|
|  | 0 | No protection against contact and ingress of objects. |
|  | 1 | Protected against solid objects Ø>50 mm and greater, such as the back of a hand. |
|  | 2 | Protected against solid objects Ø>12.5 mm and greater, such as fingers or similar objects. |
|  | 3 | Protected against solid objects Ø>2.5 mm and greater, such as tools, thick wires, etc. |
|  | 4 | Protected against solid objects Ø>1 mm and greater, such as wires, large ants etc. |
|  | 5 | Dust protected, ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment. |
|  | 6 | Dust-tight, no ingress of dust; complete protection against dust (dusttight). |

| | | |
|---|----------|---|
|  | 0 | No protection against ingress of water. |
|  | 1 | Protected against dripping water; vertically falling drops shall have no harmful effect on the device when mounted in a normal position. |
|  | 2 | Protected against dripping water; vertically falling drops shall have no harmful effect on the device when the enclosure is tilted at an angle of 15° from its normal position. |
|  | 3 | Protected against water falling as a spray at any angle up to 60° from the vertical line. |
|  | 4 | Protected against splashing water; water splashed against the enclosure from any direction shall have no harmful effect. |
|  | 5 | Water projected by a nozzle (6.3 mm) under 30kPa pressure at distance of 3 meters from any direction shall have no harmful effects. |
|  | 6 | Water projected in powerful jets (12.5 mm) under 100kPa pressure at distance of 3 meters from any direction shall have no harmful effects. |
|  | 7 | protected against the effects of temporary immersion of water; no harmful effect is possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 meter maximum of submersion). |
|  | 8 | The equipment is suitable for continuous immersion in water as per the conditions specified by the manufacturer. |

IMPACT PROTECTION

IK Ratings are an international numeric classification to indicate the degrees of protection provided by enclosures against external mechanical impacts in accordance with IEC 62262:2002.

IKXX

| | |
|-----------|--|
| 00 | No protection. |
| 01 | Protected against 0.25kg mass of impact dropped from 56mm above the impacted surface. |
| 02 | Protected against 0.25kg mass of impact dropped from 80mm above the impacted surface. |
| 03 | Protected against 0.2kg mass of impact dropped from 140mm above the impacted surface. |
| 04 | Protected against 0.25kg mass of impact dropped from 200mm above the impacted surface. |
| 05 | Protected against 0.25kg mass of impact dropped from 280mm above the impacted surface. |

| | |
|-----------|--|
| 06 | Protected against 0.25kg mass of impact dropped from 400mm above the impacted surface. |
| 07 | Protected against 0.5kg mass of impact dropped from 400mm above the impacted surface. |
| 08 | Protected against 1.7kg mass of impact dropped from 300mm above the impacted surface. |
| 09 | Protected against 5kg mass of impact dropped from 200mm above the impacted surface. |
| 10 | Protected against 5kg mass of impact dropped from 400mm above the impacted surface. |

REFERENCE STANDARDS

| | |
|----------------------------|--|
| • SASO 2902 | Energy efficiency, functionality and labeling requirements for lighting products (part 2). |
| • SASO 2927:2019 | Energy efficiency functionality and labeling requirements for lighting products-part 3: Street lighting. |
| • IES 610000-3-2 | Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current 16 A per phase). |
| • IEC 62471 | Photo biological Safety of Lamps and Lamp Systems. |
| • IEC TR 62778 | Application of 62471 to light sources and luminaires (blue light). |
| • IEC 60598-1/2017 | Luminaires - Part 1: General requirements and tests. |
| • IEC 61547:2009 | Equipment for general lighting purposes - EMC immunity requirements. |
| • IEC 61643-11:2011 | Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems Requirements and test methods. |
| • IES LM-79-08 | Electrical and photometric measurements of Solid State lighting products. |
| • IES LM-80-08 | Measuring lumen maintenance of LED Light sources. |
| • IES LM-82-12 | Method for characterisation of LED light Engines and Integrated LED lamps for Electrical properties as a function of the temperature. |
| • IES LM-84-14 | Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires. |
| • ISTMT | In-SITU Temperature Measurement Testing. |
| • IES TM21-11 | Projecting long term lumen maintenance of LED light sources. |
| • IES TM28-14 | Projecting long-term luminous flux maintenance of LED lamps and luminaires. |
| • IEC 60529:2013 | Degrees of protection provided by enclosures (IP Code). |
| • ISO 9227:2017 | Corrosion tests in artificial atmospheres Salt spray tests. |
| • ISO 4628-2:2016 | Paints and varnishes - Evaluation of degradation of coatings Designation of quantity and size of defects, and of intensity. |

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DOWN LIGHTS

DOWN LIGHT (SPOT LIGHT)



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LEO FAMILY



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DOWN LIGHTS

Down Lights are one of the most common types of lighting found in homes, offices, show rooms, stores, museums, etc..., with simple and elegant design.

Our offer includes wide beam family for general lighting and narrow beam families which come with wide choices of reflectors, frames and body textures. Brightness dimming is an available function for all types, and adjustable beams are also available in some narrow beam families.







DOWN LIGHT APPLICATION

Use high-performance COB LED, Ra>80. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.

INSTALLATION

Suitable for 5~18 mm thick ceiling board

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

| LUMINAIRE | AES101CT |
|---------------|---|
| WATTAGE | 8W 10W 15W 28W |
| COLOR TEMP | 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| CRI | 80 90 |
| LUMINOUS FLUX | > 650lm 850lm 1275lm 2380lm |
| BEAM | 15° 24° 38° 60° |
| IP RATINGS | IP 44 |
| MATERIAL | Die casting aluminum heatsink |
| FINISH | White black |

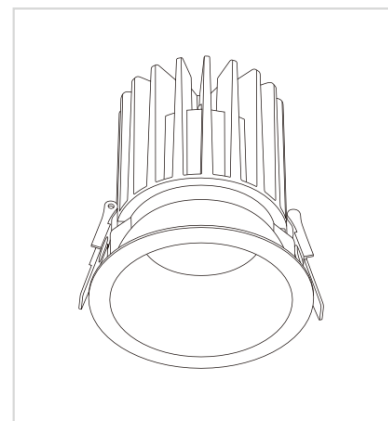


IP 44

DOWNLIGHT

CUTOUT & DIMENSION

| MODEL | WATTS | D x H | CUTOUT |
|------------------|-------|--------------|--------|
| AES101CT055 | 8W | ø 65xH76mm | ø 55mm |
| AES101CT075(H74) | 10W | ø 85xH74mm | ø 75mm |
| AES101CT075(H94) | 15W | ø 85xH94mm | ø 75mm |
| AES101CT095 | 28W | ø 105xH120mm | ø 95mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DRIVER | DIMMING |
|-------------|---------|-----|----------|--------------|---------------|
| AES101CT055 | 8W | 80 | 30 | Ph | ND |
| AES101CT055 | 8W | 80 | 30 3000K | Tr Tridonic | ND Non Dim |
| AES101CT075 | 10W | 90 | 35 3500K | Ph Philips | TD Triac Dim |
| AES101CT095 | 15W | | 40 4000K | Lf Lifud | VD 0/1-10VDim |
| | 28W | | 50 5000K | LT Ltech | DA DALI Dim |
| | | | 57 5700K | | |
| | | | 60 6000K | | |
| | | | 65 6500K | ER EagleRise | |



DOWN LIGHT

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| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

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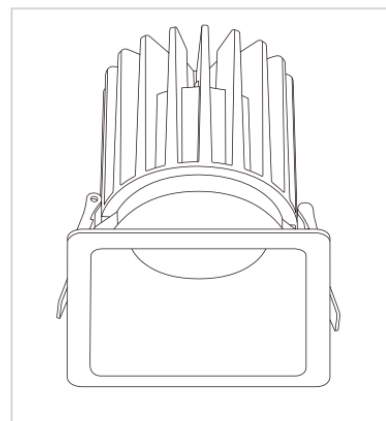
TECHNICAL INFORMATION

| LUMINAIRE | AES101S |
|---------------|---|
| WATTAGE | 8W 10W 15W 30W |
| COLOR TEMP | 2700K 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| CRI | 80 90 |
| LUMINOUS FLUX | > 650lm 850lm 1275lm 2550lm |
| BEAM | 15° 24° 38° 60° |
| IP RATINGS | IP20 / IP44 |
| MATERIAL | Die casting aluminum heatsink |
| FINISH | White black |

DOWNLIGHT

CUTOUT & DIMENSION

| MODEL | WATTS | D x H | CUTOUT |
|-------------------|-------|--------------------|------------|
| AES101SCT055 | 8W | L65× W65× H60mm | L55× W55mm |
| AES101SCT075(H74) | 10W | L85× W85× H74mm | L75× W75mm |
| AES101SCT075(H94) | 15W | L85× W85× H94mm | L75× W75mm |
| AES101SCT095 | 30W | L105× W105× H108mm | L95× W95mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DRIVER | DIMMING |
|--------------|---------|-----|----------|--------------|---------------|
| AES101SCT055 | 8W | 80 | 30 | Ph | ND |
| AES101SCT055 | 8W | 80 | 27 2700K | Tr Tridonic | ND Non Dim |
| AES101SCT075 | 10W | 90 | 30 3000K | Ph Philips | TD Triac Dim |
| AES101SCT095 | 15W | | 35 3500K | Lf Lifud | VD 0/1-10VDim |
| | 30W | | 40 4000K | LT Ltech | DA DALI Dim |
| | | | 50 5000K | ER EagleRise | |
| | | | 57 5700K | | |
| | | | 60 6000K | | |
| | | | 65 6500K | | |

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Mirror

Gun black

Matt white

Matt silver

Matt black

Golden



DOWN LIGHT

APPLICATION

Use high-performance COB LED, Ra>80. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.

INSTALLATION

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APPROVALS & STANDARDS

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|---------------------------------|--|
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| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under

2) type of approvals and certificates depends on selected driver

IP
65

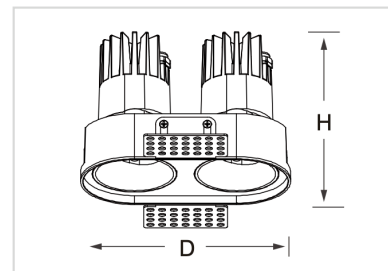
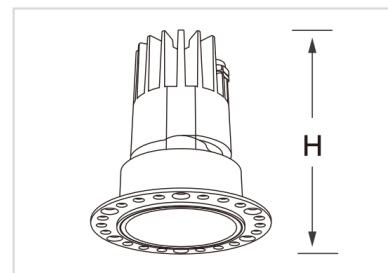
TECHNICAL INFORMATION

| LUMINAIRE | AES133 |
|---------------|---|
| WATTAGE | 8W 12W 18W 25W 2×8W 2×18W 2×25W |
| COLOR TEMP | 2700K 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| CRI | 80 90 |
| LUMINOUS FLUX | > 640lm 690lm 1440lm 2000lm 1280lm 2880lm 4000lm |
| BEAM | 15° 24° 38° 60° |
| IP RATINGS | IP65 |
| MATERIAL | Die casting aluminum heatsink |
| FINISH | White black |

DOWNLIGHT

CUTOUT & DIMENSION

| MODEL | WATTS | D x H | CUTOUT |
|----------------|---------|------------------|---------------|
| AES133CT055 | 8W | Ø52.9xH85mm | Ø57mm |
| AES133CT075 | 12W/18W | Ø 72.4xH110mm | Ø 77mm |
| AES133CT095 | 25W | Ø 91.5xH130mm | Ø 97mm |
| AES133CT055-2H | 2x8W | L126xW65xH85mm | L128x Ø 67mm |
| AES133CT075-2H | 2x18W | L177xW87xH110mm | L180x Ø 90mm |
| AES133CT095-2H | 2x25W | L222xW108xH130mm | L225x Ø 110mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DRIVER | DIMMING |
|----------------|---------|-----|----------|--------------|---------------|
| AES133CT055 | 8W | 80 | 30 | Ph | ND |
| AES133CT055 | 12W | 80 | 27 2700K | Tr Tridonic | ND Non Dim |
| AES133CT075 | 18W | 90 | 30 3000K | Ph Philips | TD Triac Dim |
| AES133CT095 | 25W | | 35 3500K | Lf Lifud | VD 0/1-10VDim |
| AES133CT055-2H | 2X8W | | 40 4000K | LT Ltech | DA DALI Dim |
| AES133CT075-2H | 2X18W | | 50 5000K | | |
| AES133CT095-2H | 2X25W | | 57 5700K | ER EagleRise | |
| | | | 60 6000K | | |
| | | | 65 6500K | | |



IP 20/40

DOWN LIGHT - SPOT

APPLICATION

Use high-performance COB LED, Ra>80. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.

INSTALLATION

Suitable for 5~18 mm thick ceiling board

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

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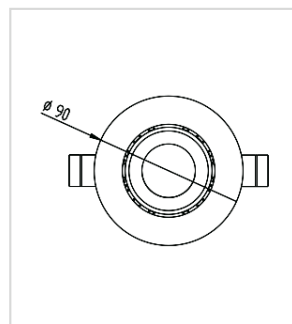
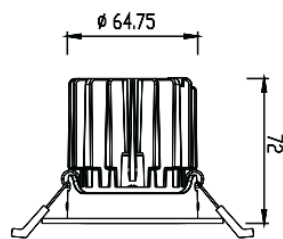
| LUMINAIRE | AES-CT070 |
|---------------|-------------------------------|
| WATTAGE | 8W |
| COLOR TEMP | 3000K/4000K/6000K |
| CRI | 80 |
| LUMINOUS FLUX | >850lm |
| BEAM | 20° 40° 60° |
| IP RATINGS | IP 20/40 |
| MATERIAL | Die casting aluminum heatsink |
| FINISH | White black |

DOWNLIGHT

CUTOUT & DIMENSION

| MODEL | WATTS |
|-----------|-------|
| AES-CT070 | 8W |

| LxWxH(MM) | CUTOUT (MM) |
|-----------|-------------|
| Ø90xH72mm | Ø70-80mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DRIVER | DIMMING |
|----------|---------|----------|----------|--------------|---------------|
| AESCT070 | 8W | 80 | 30 | Ph | ND |
| AESCT070 | 8W | 80 90 | 30 3000K | Tr Tridonic | ND Non Dim |
| | | | 40 4000K | Ph Philips | TD Triac Dim |
| | | | 60 6000K | Lf Lifud | VD 0/1-10VDim |
| | | | | LT Ltech | DA DALI Dim |
| | | | | ER EagleRise | |



DOWN LIGHT APPLICATION

Use high-performance SDM LED, Ra>80. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.

INSTALLATION

Suitable for 5~18 mm thick ceiling board

IP
20

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

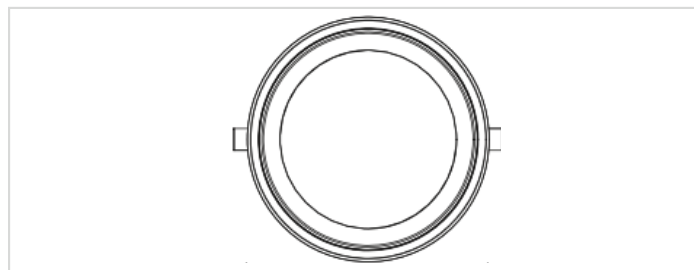
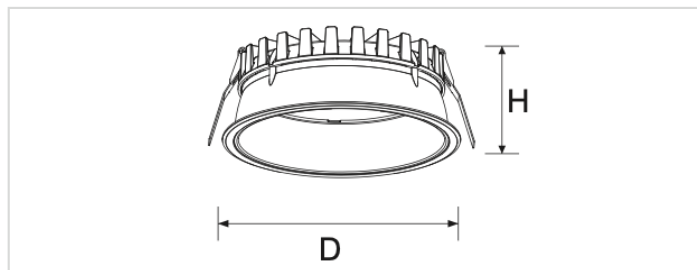
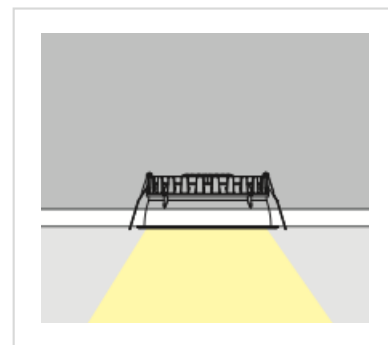
TECHNICAL INFORMATION

| LUMINAIRE | AES226 |
|---------------|---|
| WATTAGE | 15W 28W 40W |
| COLOR TEMP | 2700K 3000K 3500K 4000K 5000K 6500K |
| CRI | 80 90 |
| LUMINOUS FLUX | 150lm 2800lm 4000lm |
| BEAM | 80° |
| IP RATINGS | IP 20 |
| MATERIAL | Die-casting alu. trim and heatsink, PMMA.lens |
| FINISH | Matt white or black trim |

DOWNLIGHT

CUTOUT & DIMENSION

| MODEL | WATTS | D x H | CUTOUT |
|-------------|-------|-------------|---------|
| AES226CT115 | 15W | Ø 129xH69mm | Ø115mm |
| AES226CT175 | 28W | Ø 190xH74mm | Ø 175mm |
| AES226CT200 | 40W | Ø 220xH84mm | Ø 200mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DRIVER | DIMMING |
|-------------|---------|-----|----------|--------------|---------------|
| AES226CT115 | 15W | 80 | 30 | Ph | ND |
| AES226CT115 | 15W | 80 | 27 2700K | Tr Tridonic | ND Non Dim |
| AES226CT175 | 28W | 90 | 30 3000K | Ph Philips | TD Triac Dim |
| AES226CT200 | 40W | | 35 3500K | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | LT Ltech | DA DALI Dim |
| | | | 50 5000K | | |
| | | | 65 6500K | ER EagleRise | |



DOWN LIGHT

SUNRISE FAMILY

APPLICATION

Direct replacement for luminaires with compact PMMA diffuser and wide beam angle, comes with different color solution to choose. With efficacy up to 100 lm/w, you can install it in: Public areas, Stairways, Corridors, Foyers, Shops, etc.



APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

| FAMILY | SUNRISE |
|----------|---|
| WATTAGE | 7W 10W |
| CRI | 80 90 |
| CCT | 2700 3000 3500 4000 5000 5700 6500 K |
| BEAM | 100° |
| LUMEN | 741 lm 1012 lm |
| FINISH | White Black |
| MATERIAL | Die-casting aluminum body and heatsink, PMMA or PS diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |



bridgelux

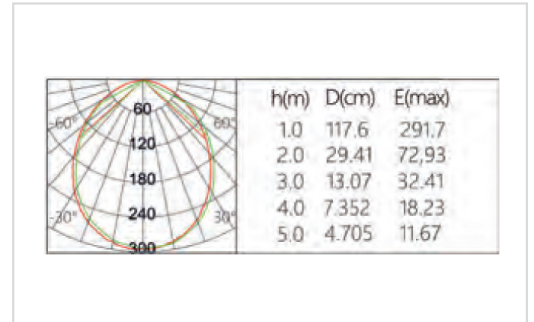
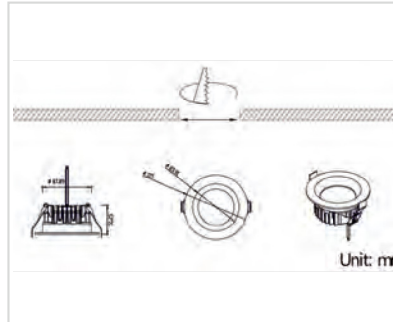
CREE

LUMILEDS

OSRAM

CUTOUT & DIMENSION

| MODEL | POWER |
|---------------|-------------|
| AES229 | 7 W |
| AES229 | 10 W |
| DIMENSION | CUT HOLE |
| ø 115xH51.5mm | ø 90-105 mm |
| ø 115xH51.5mm | ø 90-105 mm |



ORDERING INFORMATION

EXAMPLE: AES229-7W-80-30-B-PH-ND

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|-------------|-------------|---------------|
| AES229 | 7W | 80 | 30 | B | Ph | ND |
| AES229 | 7W | 80 | 27 2700K | B Black | Tr Tridonic | ND Non Dim |
| | | | 30 3000K | W white | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | | DA DALI Dim |
| | | | 50 5000K | | | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



DOWN LIGHT

SUNRISE FAMILY

APPLICATION

Direct replacement for luminaires with compact PMMA diffuser and wide beam angle, comes with different color solution to choose. With efficacy up to 100 lm/w. You can install it for: public areas, stairways, corridors, foyers, shops, etc.

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver



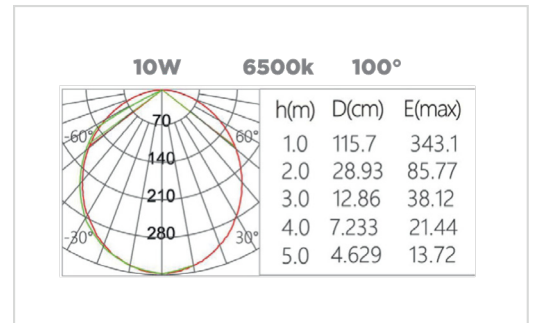
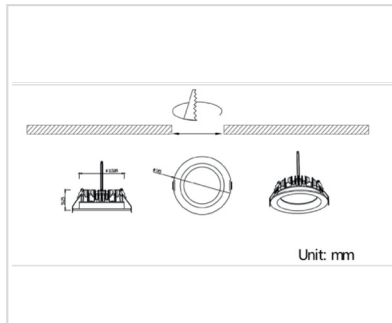
TECHNICAL INFORMATION

| FAMILY | SUNRISE |
|----------|---|
| WATTAGE | 10W 14W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| BEAM | 100° |
| LUMEN | 1095lm 1495lm |
| FINISH | White Black |
| MATERIAL | Die-casting aluminum body and heatsink, PMMA or PS diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

| MODEL | POWER |
|--------|-------|
| AES230 | 10 W |
| AES230 | 14 W |

| DIMENSION | CUT HOLE |
|---------------|--------------|
| ø 145×H51.5mm | ø 115-130 mm |
| ø 145×H51.5mm | ø 115-130 mm |



ORDERING INFORMATION

EXAMPLE: AES230-10W-80-30-B-PH-ND

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|-------------|-------------|---------------|
| AES230 | 10W | 80 | 30 | B | Ph | ND |
| AES230 | 10W | 80 | 27 2700K | B Black | Tr Tridonic | ND Non Dim |
| | | | 30 3000K | W white | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | | DA DALI Dim |
| | | | 50 5000K | | | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



DOWN LIGHT

SUNRISE FAMILY



APPLICATION

Direct replacement for luminaires with compact PMMA diffuser and wide beam angle, comes with different color solution to choose. With efficacy up to 100 lm/w. You can install it for: public areas, stairways, corridors, foyers, shops, etc.

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

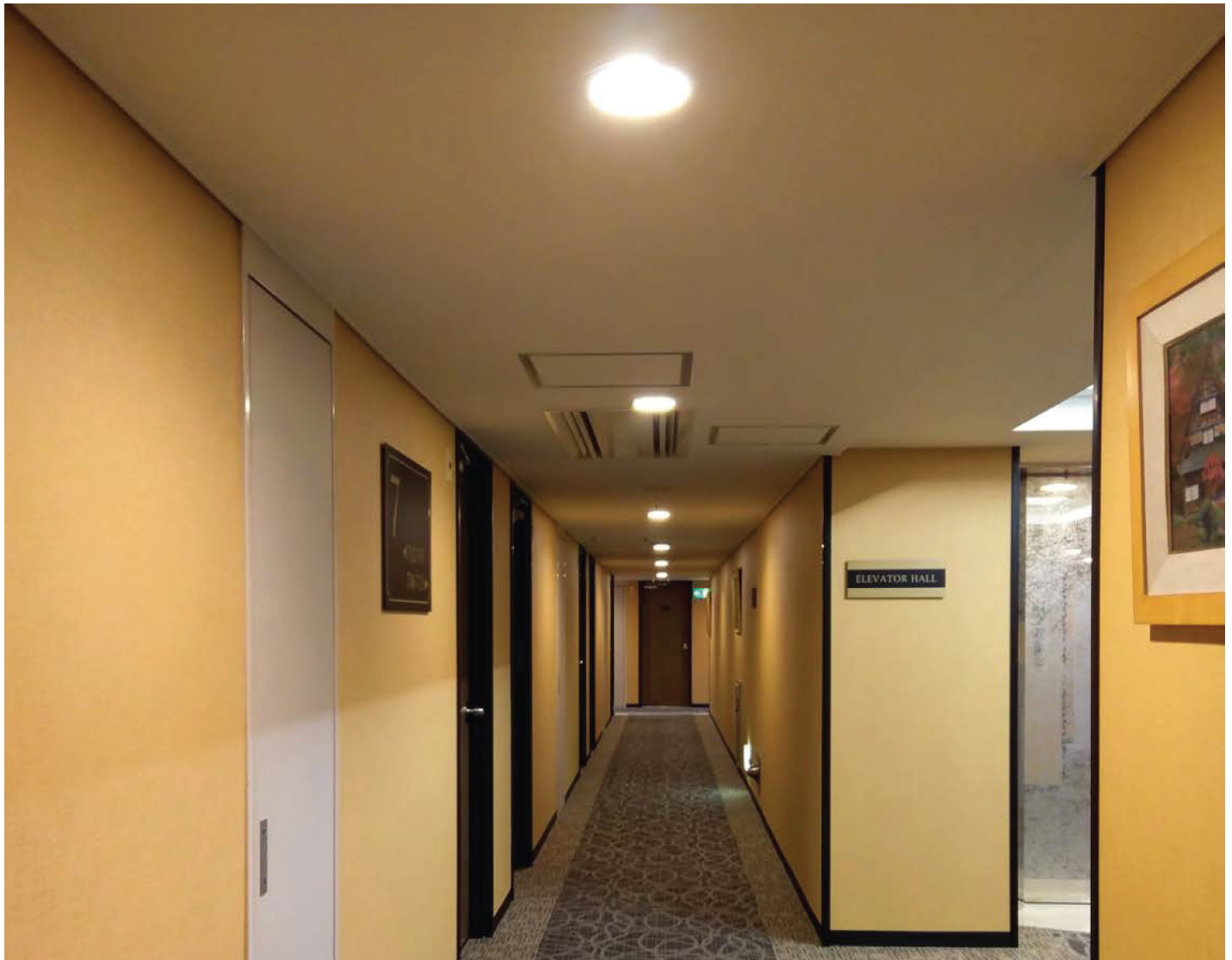
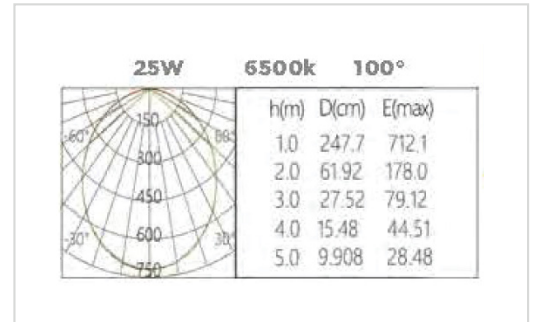
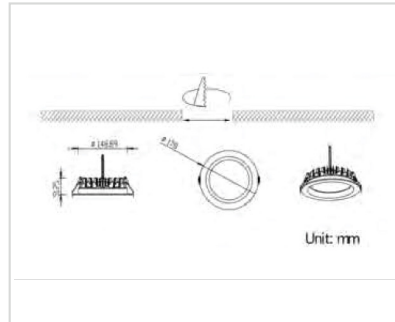


TECHNICAL INFORMATION

| FAMILY | SUNRISE |
|----------|---|
| WATTAGE | 18W 25W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| BEAM | 100° |
| LUMEN | 1980.0lm 2750.0lm |
| FINISH | White Black |
| MATERIAL | Die-casting aluminum body and heatsink, PMMA or PS diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

| MODEL | POWER |
|---------------|--------------|
| AES231 | 18 W |
| AES231 | 25 W |
| DIMENSION | CUT HOLE |
| ø 178×H51.5mm | ø 150-165 mm |
| ø 178×H51.5mm | ø 150-165 mm |



ORDERING INFORMATION

EXAMPLE: AES231-18W-80-30-B-PH-ND

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|-------------|-------------|---------------|
| AES231 | 18W | 80 | 30 | B | Ph | ND |
| AES231 | 18W | 80 | 27 2700K | B Black | Tr Tridonic | ND Non Dim |
| | 25W | 90 | 30 3000K | W white | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | | DA DALI Dim |
| | | | 50 5000K | | | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |

DOWN LIGHT SUNRISE FAMILY



APPLICATION

Direct replacement for luminaires with compact PMMA diffuser and wide beam angle, comes with different color solution to choose. With efficacy up to 100 lm/w. You can install it for: public areas, stairways, corridors, foyers, shops, etc

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver



TECHNICAL INFORMATION

| FAMILY | SUNRISE |
|----------|---|
| WATTAGE | 25W 32W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| BEAM | 100° |
| LUMEN | 3062lm 3584lm |
| FINISH | White Black |
| MATERIAL | Die-casting aluminum body and heatsink, PMMA or PS diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

DOWNLIGHT – SUNRISE FAMILY

CUTOUT & DIMENSION

| MODEL | POWER |
|--------|-------|
| AES232 | 25 W |
| AES232 | 32 W |

| DIMENSION | CUT HOLE |
|---------------|--------------|
| ø 228xH51.5mm | ø 190-210 mm |
| ø 228xH51.5mm | ø 190-210 mm |



ORDERING INFORMATION

EXAMPLE: AES232-25W-80-30-B-PH-ND

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|-------------|-------------|---------------|
| AES232 | 25W | 80 | 30 | B | Ph | ND |
| AES232 | 25W | 80 | 27 2700K | B Black | Tr Tridonic | ND Non Dim |
| | 32W | 90 | 30 3000K | W white | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | | DA DALI Dim |
| | | | 50 5000K | | | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



DOWN LIGHT

VERNA SERIES

APPLICATION

Use high-performance COB LED, Ra>80. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

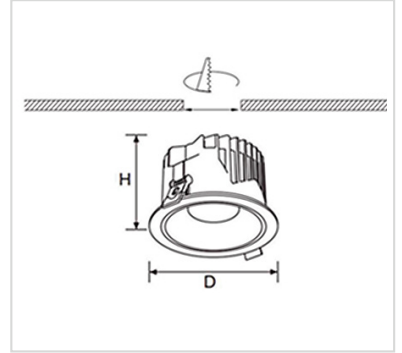
| FAMILY | VERNA |
|----------|---|
| WATTAGE | 10W 15W 20W 30W 40W 50W |
| CRI | 80 90 |
| CCT | 2700 3000 3500 4000 5000 5700 6000 6500 K |
| BEAM | 15° 24° 36° 50° |
| LUMEN | > 1050 1575 2100 3150 4200 5050 lm |
| FINISH | White Black |
| MATERIAL | Die casting aluminum heastink |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |



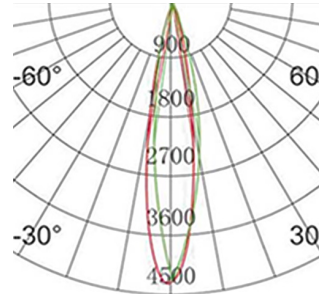
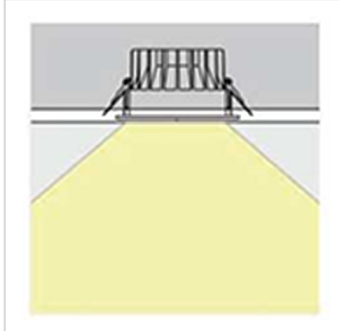
DOWNLIGHT – VERNA

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION | CUT HOLE |
|-------------|-------|--------------|----------|
| AES129-H75 | 10W | ø 85×H55mm | ø 75mm |
| AES129-H95 | 15W | ø 110×H65mm | ø 95mm |
| AES129-H120 | 20W | ø 140×H75mm | ø 120mm |
| AES129-H140 | 30W | ø 160×H85mm | ø 140mm |
| AES129-H160 | 40W | ø 185×H95mm | ø 160mm |
| AES129-H200 | 50W | ø 215×H108mm | ø 200mm |



15°
24°
36°
50°



| h(m) | D(cm) | E(max) |
|------|--------|--------|
| 1.0 | 31.97 | 4403 |
| 2.0 | 63.93 | 1101 |
| 3.0 | 95.90 | 489.2 |
| 4.0 | 127.87 | 275.2 |
| 5.0 | 159.84 | 176.1 |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | BODY COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|------------|-------------|---------------|
| AES129 | 10W | 80 | 30 | W | Ph | ND |
| AES129 | 10W | 80 | 27 2700K | W white | Tr Tridonic | ND Non Dim |
| | 15W | 90 | 30 3000K | B Black | Ph Philips | TD Triac Dim |
| | 20W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | 30W | | 40 4000K | | | DA DALI Dim |
| | 40W | | 50 5000K | | | |
| | 50W | | 57 5700K | | | |
| | | | 60 6000K | | | |
| | | | 65 6500K | | | |



DOWN LIGHT

VERNA SERIES

APPLICATION

Use high-performance SMD LED, Ra>80. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.

INSTALLATION

Suitable for 5~18 mm thick ceiling board

APPROVALS & STANDARDS



| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

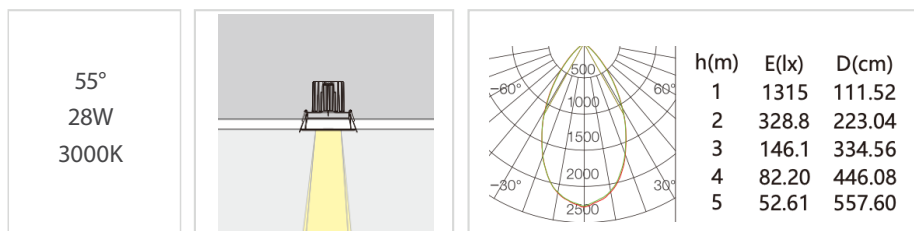
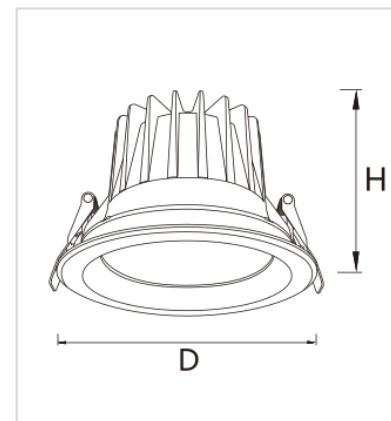
| LUMINAIRE | AES125 |
|---------------|---|
| WATTAGE | 18W 30W 38W 48W |
| COLOR TEMP | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| CRI | 80 90 |
| LUMINOUS FLUX | >110lm/W |
| BEAM | 60° |
| IP RATINGS | IP65 |
| MATERIAL | Die-casting alu.trim and heatsink, glass. lens |
| FINISH | Matt white or black trim |



DOWNLIGHT

CUTOUT & DIMENSION

| MODEL | POWER | DIMENSION | CUT-OUT |
|--------|-------|-------------|---------|
| AES125 | 18 W | ø134×H97 mm | ø115mm |
| AES125 | 30 W | ø160×H110mm | ø140mm |
| AES125 | 38 W | ø188×H129mm | ø170mm |
| AES125 | 48 W | ø250×H149mm | ø220mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DIMMING |
|-------------|---------|-----|----------|---------------|
| AES125CT170 | 28W | 80 | 30 | ND |
| AES125CT170 | 18W | 80 | 27 2700K | ND Non Dim |
| | 28W | 90 | 30 3000K | TD Triac Dim |
| | 38W | | 35 3500K | VD 0/1-10VDim |
| | 48W | | 40 4000K | DA DALI Dim |
| | | | 50 5000K | |
| | | | 57 5700K | |
| | | | 65 6500K | |



DOWN LIGHT

VERNA SERIES

APPLICATION

Use high-performance COB LED, Ra>80. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.



APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting prod- |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

| LUMINAIRE | VERNA |
|---------------|--|
| WATTAGE | 10W 15W 30W 40W 50W |
| COLOR TEMP | 2700K 3000K 3500K 4000K 5000K 57000K 6000K 6500K |
| CRI | 80 90 |
| LUMINOUS FLUX | >950lm 1425lm 2850lm 3800lm 4750lm |
| BEAM | 15° 24° 36° 55° |
| IP RATINGS | IP65 |
| MATERIAL | Die-casting aluminum heatsink |
| FINISH | White Black |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

DOWNLIGHT - VERA

CUTOUT & DIMENSION

| MODEL | WATTS | D x H | CUT HOLE |
|---------------|-------|-------------|----------|
| AES128-CT075 | 10W | Ø85×H54mm | Ø75mm |
| AES128-CT090 | 15W | Ø105×H65mm | Ø95mm |
| AES128-CT0140 | 30W | Ø150×H80mm | Ø135mm |
| AES128-CT0180 | 40W | Ø190×H95mm | Ø175mm |
| AES128-CT0200 | 50W | Ø215×H105mm | Ø200mm |

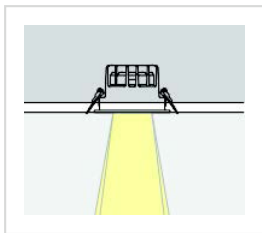


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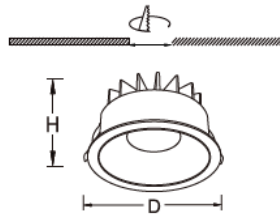
CREE

LUMILEDS

OSRAM

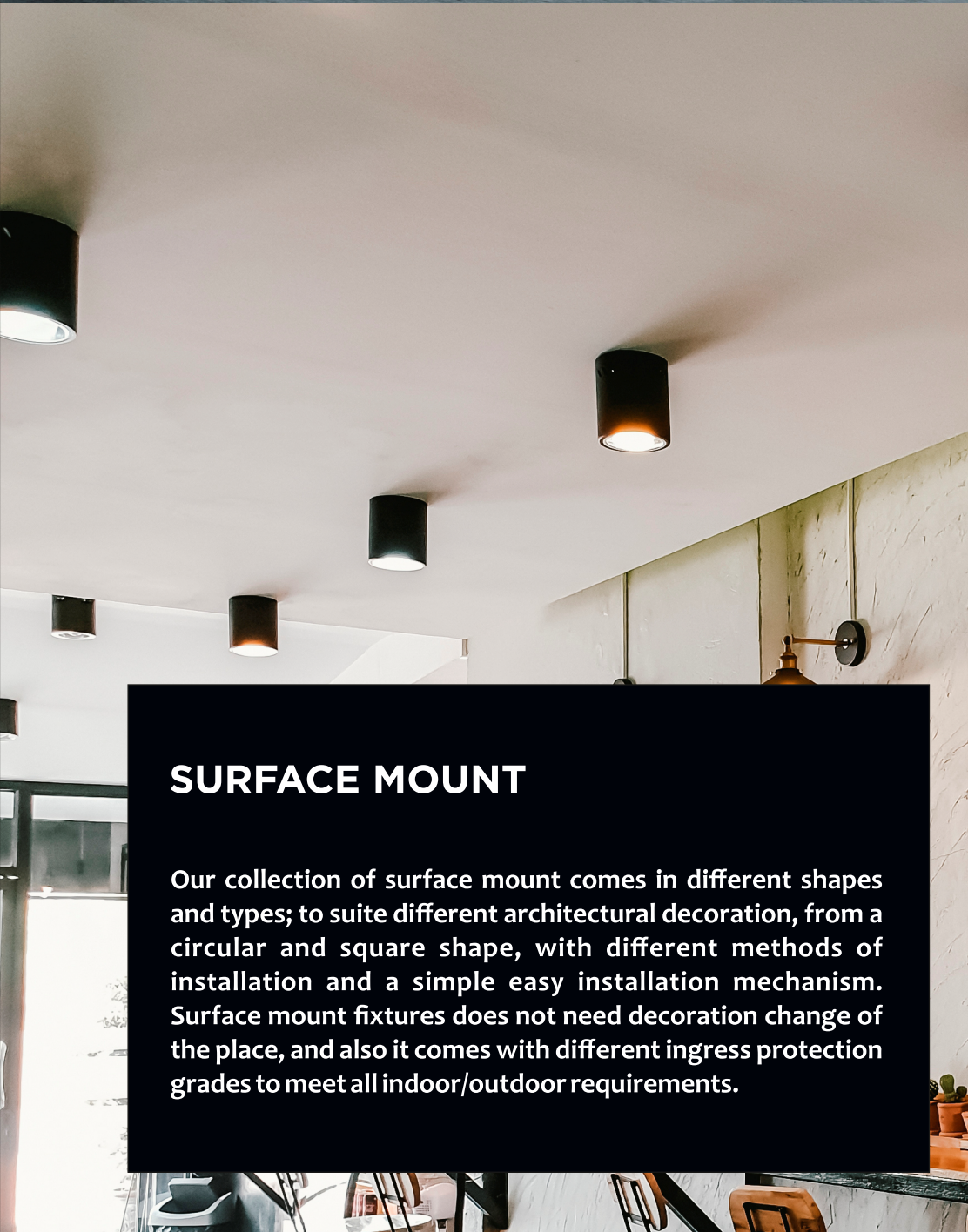


LINE ART



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DIMMING |
|--------------|---------|-----|----------|---------------|
| AES128CT075 | 10W | 80 | 30 | ND |
| AES128CT075 | 10W | 80 | 27 2700K | ND Non Dim |
| AES128CT090 | 15W | 90 | 30 3000K | TD Triac Dim |
| AES128CT0140 | 30W | | 35 3500K | VD 0/1-10VDim |
| AES128CT0180 | 40W | | 40 4000K | DA DALI Dim |
| AES128CT0200 | 50W | | 50 5000K | |
| | | | 57 5700K | |
| | | | 60 6000K | |
| | | | 65 6500K | |



SURFACE MOUNT

Our collection of surface mount comes in different shapes and types; to suite different architectural decoration, from a circular and square shape, with different methods of installation and a simple easy installation mechanism. Surface mount fixtures does not need decoration change of the place, and also it comes with different ingress protection grades to meet all indoor/outdoor requirements.







DOWN LIGHT

SURFACE/SUSPENDED MOUNT

APPLICATION

Simple and elegant round down light for surface installation with high impact resistance, and high ingress protection (IP65), in aluminum body for good heat dissipation. . You can install it in: Residential lighting, villas, public areas, Hotel, Kitchen, Shopping Mall, etc..



APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

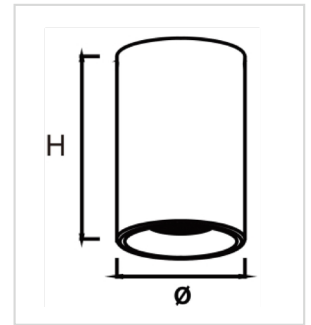
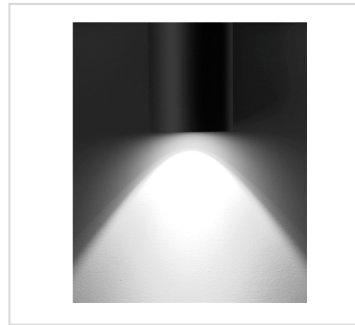
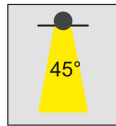
| FAMILY | AESBL2 |
|----------|---|
| WATTAGE | 10W 15W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| BEAM | 45° |
| LUMEN | 1000 lm 1500 lm |
| FINISH | White Black |
| MATERIAL | Die-casting aluminum body and heatsink, PMMA lenes |
| DRIVER | Tridonic Philips Lifud |



DOWNLIGHT – SURFACE MOUNT

CUTOUT & DIMENSION

| MODEL | POWER | DIMENSION |
|--------|-------|-------------|
| AESBL2 | 10 W | ø 75×H100mm |
| AESBL2 | 15 W | ø 75×H152mm |



ORDERING INFORMATION

EXAMPLE: AESBL2-10W-80-30-W-PH-ND

| MODEL | WATTAGE | CRI | CCT | BODY COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|------------|-------------|---------------|
| AESBL2 | 10W | 80 | 30 | W | Ph | ND |
| AESBL2 | 10W | 80 | 27 2700K | W white | Tr Tridonic | ND Non Dim |
| | | | 30 3000K | B black | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | | DA DALI Dim |
| | | | 50 5000K | | | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



DOWN LIGHT SURFACE MOUNTED

IP
20

APPLICATION

Recessed LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

| FAMILY | AES-SD(2X-3X)16W |
|----------|--|
| WATTAGE | 32W 48W |
| CRI | 80 90 |
| CCT | 3000K 4000K 6500K |
| BEAM | 15° 24° 38° |
| LUMEN | 3000lm 4500lm |
| FINISH | Black |
| MATERIAL | Aluminum |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

DOWNLIGHT – SURFACE MOUNTED



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|--------------|---------|-----|----------|-------------|--------------|---------------|
| AES-SD-2X16W | 32W | 80 | 30 | B | Tr | ND |
| AES-SD-2X16W | 32W | 80 | 30 3000K | B Black | Tr Tridonic | ND Non Dim |
| AES-SD-3X16W | 48W | 90 | 40 4000K | | ER EagleRise | TD Triac Dim |
| | | | 65 6500K | | Lf Lifud | VD 0/1-10VDim |
| | | | | | LT LTech | DA DALI Dim |



DOWN LIGHT SURFACE MOUNTED

IP
20

APPLICATION

Surface mounted LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

| FAMILY | AES-SD(2X-3X)9W |
|----------|--|
| WATTAGE | 18W 27W |
| CRI | 80 90 |
| CCT | 3000K 4000K 6500K |
| BEAM | 15° 24° 38° |
| LUMEN | 1840lm 2761lm |
| FINISH | Black |
| MATERIAL | Aluminum |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|-------------|---------|-----|----------|-------------|--------------|---------------|
| AES-SD-2X9W | 18W | 80 | 30 | B | Tr | ND |
| AES-SD-2X9W | 18W | 80 | 30 3000K | B Black | Tr Tridonic | ND Non Dim |
| AES-SD-3X9W | 27W | 90 | 40 4000K | | ER EagleRise | TD Triac Dim |
| | | | 65 6500K | | Lf Lifud | VD 0/1-10VDim |
| | | | | | LT LTech | DA DALI Dim |



DOWN LIGHT SURFACE MOUNTED



APPLICATION

Recessed LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

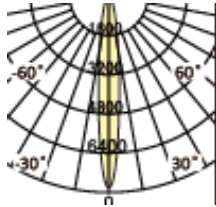
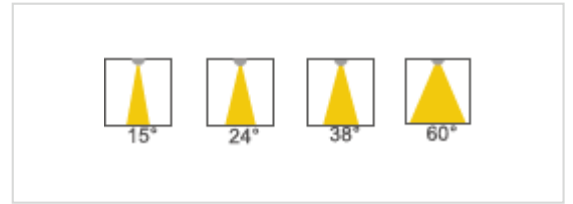
2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

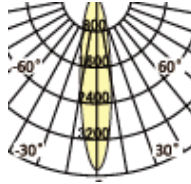
| FAMILY | AES-SMDL |
|----------|---|
| WATTAGE | 10W 12W 18W 20W 22W 32W 35W 40W |
| CRI | 80 90 |
| CCT | 3000K 4000K 6000K |
| BEAM | 15° 24° 36° 60° |
| LUMEN | 1040lm 1236lm 1890lm 2100lm 2266lm 3360lm 3670lm 4200lm |
| FINISH | White Black |
| MATERIAL | Die Casting Aluminum Heatsink |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|---------------|-----------------|------------|
| AES-SMDL-AD60 | 10W 12W | Ø60×H140mm |
| AES-SMDL-AD70 | 15W 20W 22W | Ø60×H150mm |
| AES-SMDL-AD90 | 32W 35W 40W | Ø90×H165mm |



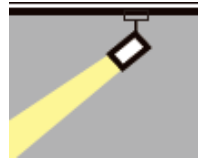
| h(m) | d(cm) | Em | E _{max} |
|------|--------|-------|------------------|
| 1.00 | 26.19 | 3355 | 4838 |
| 2.00 | 52.38 | 838.7 | 1210 |
| 3.00 | 78.57 | 372.7 | 537.6 |
| 4.00 | 104.76 | 209.7 | 302.4 |
| 5.00 | 130.96 | 134.2 | 193.5 |



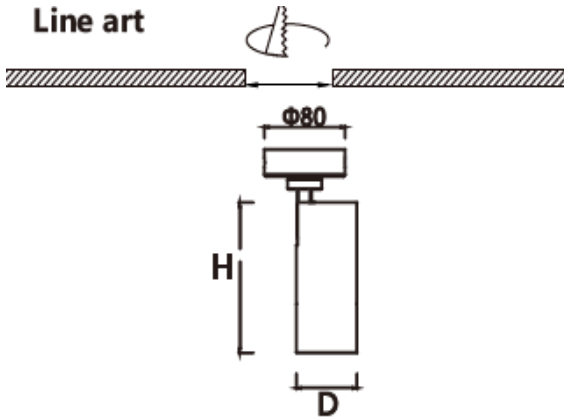
| h(m) | d(cm) | Em | E _{max} |
|------|--------|-------|------------------|
| 1.00 | 41.04 | 1887 | 2816 |
| 2.00 | 82.08 | 471.7 | 703.9 |
| 3.00 | 123.13 | 209.6 | 312.8 |
| 4.00 | 164.17 | 117.9 | 176.0 |
| 5.00 | 205.21 | 75.45 | 112.6 |



Ra>80



Line art



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|-------------|---------|-----|----------|-------------|--------------|---------------|
| AES-SMDL-AD | 10W | 80 | 30 | B | Tr | ND |
| AES-SMDL-AD | 10W | 80 | 30 3000K | B Black | Tr Tridonic | ND Non Dim |
| | 12W | 90 | 40 4000K | W white | ER EagleRise | TD Triac Dim |
| | 18W | | 60 6000K | | Lf Lifud | VD 0/1-10VDim |
| | 20W | | | | LT LTech | DA DALI Dim |
| | 22W | | | | | |
| | 32W | | | | | |
| | 35W | | | | | |
| | 40W | | | | | |



DOWN LIGHT

SURFACE MOUNT



APPLICATION

Simple and elegant round down light for surface installation with high impact resistance, and high ingress protection (IP65), in aluminum body for good heat dissipation. . You can install it in: Residential lighting, villas, public areas, Hotel, Kitchen, Shopping Mall, etc..

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

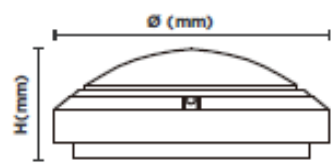
| FAMILY | AESCL1 |
|----------|---|
| WATTAGE | 12W 16W 18W 24W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| BEAM | 120° |
| LUMEN | 1200 lm 1500 lm 18000 lm 2400 lm |
| FINISH | White Black |
| MATERIAL | Polycarbonate Body, PMMA Diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |



DOWNLIGHT – SURFACE MOUNT

CUTOUT & DIMENSION

| MODEL | POWER | DIMENSION |
|--------|-------|-------------|
| AESCL1 | 12 W | ø260×H110mm |
| AESCL1 | 16 W | ø260×H110mm |
| AESCL1 | 18 W | ø330×H100mm |
| AESCL1 | 24 W | ø330×H100mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | BODY COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|------------|-------------|---------------|
| AESCL1 | 12W | 80 | 30 | W | Ph | ND |
| AESCL1 | 16W | 80 | 27 2700K | W white | Tr Tridonic | ND Non Dim |
| | 18W | 90 | 30 3000K | | Ph Philips | TD Triac Dim |
| | 24W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | | DA DALI Dim |
| | | | 50 5000K | | | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



DOWN LIGHT

SURFACE MOUNT



APPLICATION

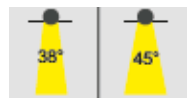
Simple and elegant square down light for surface installation aluminum body for good heat dissipation. You can install it in: Residential lighting, Villas, public areas, Hotel, Kitchen, Shopping Mall, Restaurant etc...

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver



COB



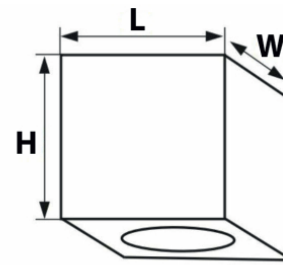
TECHNICAL INFORMATION

| FAMILY | AESTRL |
|----------|---|
| WATTAGE | 10W 20W 30W 40W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| BEAM | 38° 45° |
| LUMEN | 1000lm 2000lm 3000lm 4000lm |
| FINISH | White |
| MATERIAL | Die-Casting aluminum Body and Heatsink, PMMA lenes |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

DOWNLIGHT – SURFACE MOUNT

CUTOUT & DIMENSION

| MODEL | POWER | DIMENSION |
|--------|-------|----------------------|
| AESTRL | 10 W | L90mm*W90mm*H90mm |
| AESTRL | 20 W | L110mm*W110mm*H120mm |
| AESTRL | 30 W | L130mm*W130mm*H135mm |
| AESTRL | 40 W | L160mm*W160mm*H165mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | BODY COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|------------|-------------|---------------|
| AESTRL | 10W | 80 | 30 | W | Ph | ND |
| AESTRL | 10W | 80 | 27 2700K | W white | Tr Tridonic | ND Non Dim |
| | 20W | 90 | 30 3000K | | Ph Philips | TD Triac Dim |
| | 30W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | 40W | | 40 4000K | | | DA DALI Dim |
| | | | 50 5000K | | | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



DOWN LIGHT

SURFACE MOUNT

APPLICATION

Use high-performance COB LED, Ra>90. Aluminum heatsink and unique die casting heatsink design ensure better heat dissipation.

INSTALLATION

Suitable for 5~18 mm thick ceiling board



APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

| LUMINAIRE | AES-107SCT090 |
|---------------|---|
| WATTAGE | 12W |
| COLOR TEMP | 2700K 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| CRI | 80 90 |
| LUMINOUS FLUX | > 1200lm |
| BEAM | 15° 24° 38° 60° |
| IP RATINGS | IP 20 |
| MATERIAL | Die casting aluminum heatsink |
| FINISH | White black |

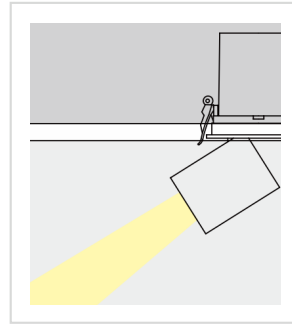


DOWNLIGHT – SURFACE MOUNT

CUTOUT & DIMENSION

| MODEL | WATTS |
|---------------|-------|
| AES-107SCT090 | 12 W |

| LxWxH(MM) | CUTOUT (MM) |
|------------------|-------------|
| L100xW100xH120mm | Ø90mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | DIMMING |
|---------------|---------|-----|----------|---------------|
| AES-107SCT090 | 12W | 80 | 30 | ND |
| AES-107SCT090 | 12W | 80 | 27 2700K | ND Non Dim |
| | | | 30 3000K | TD Triac Dim |
| | | | 35 3500K | VD 0/1-10VDim |
| | | | 40 4000K | DA DALI Dim |
| | | | 50 5000K | |
| | | | 57 5700K | |
| | | | 60 6000K | |
| | | | 65 6500K | |



LINEAR LIGHT LEO FAMILY

APPLICATION

The Leo LED Family combines modern aesthetic elegance with high performance and energy efficiency, design flexibility. Suitable for airports, stores, Showrooms, homes, offices, schools, hospitals, libraries, subways, etc...



APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

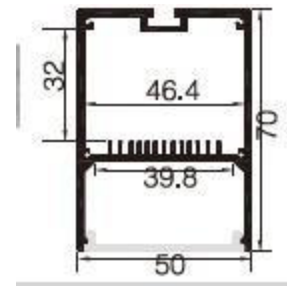


TECHNICAL INFORMATION

| FAMILY | LEO |
|-----------|---|
| WATTAGE/M | 20W 30W 40W , As Per Customer require |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| EFFICACY | >75lm/W |
| LUMEN/M | 1500lm 2250lm 3000lm , As Per Customer require |
| FINISH | White Black |
| MATERIAL | Die Casting Aluminum Body, PC Diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|-----------|-------|--------------------|
| AESL5070W | 20W | L100mm*W50mm*H70mm |
| AESL5070W | 30W | L100mm*W50mm*H70mm |
| AESL5070W | 40W | L100mm*W50mm*H70mm |



Installation
Surface mounted



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|-----------|---------|-----|----------|-------------|--------------|---------------|
| AESL5070W | 20W | 80 | 30 | W | Ph | ND |
| AESL5070W | 20W | 80 | 27 2700K | W White | Tr Tridonic | ND Non Dim |
| | 30W | 90 | 30 3000K | B Black | Ph Philips | TD Triac Dim |
| | 40W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | Lt Ltech | DA DALI Dim |
| | | | 50 5000K | | Er EagleRise | |
| | | | 57 5700K | | | |
| | | | 60 6000K | | | |
| | | | 65 6500K | | | |



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APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver



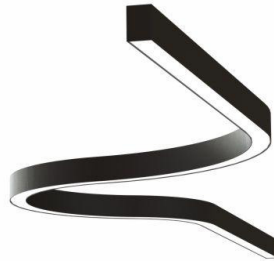
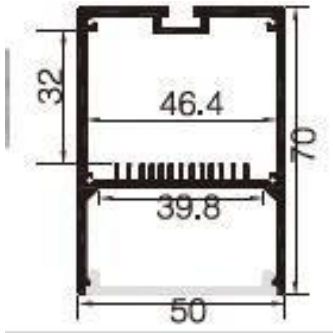
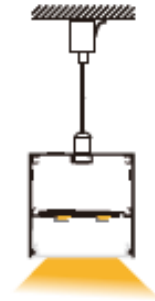
TECHNICAL INFORMATION

| FAMILY | LEO |
|-----------|---|
| WATTAGE/M | 20W 30W 40W , As Per Customer require |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| EFFICACY | >75lm/W |
| LUMEN/M | 1500lm 2250lm 3000lm , As Per Customer require |
| FINISH | Black White |
| MATERIAL | Die Casting Aluminum Body, PMMA Diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|-----------|-----------|---------------------|
| AESL5070W | 20/30/40W | L1000mm*W50mm*H70mm |

CUSTOMIZED SIZE

INSTALLATION
SUSPENDED

ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|-----------|---------|-----|----------|-------------|--------------|---------------|
| AESL5070W | 20W | 80 | 30 | W | Ph | ND |
| AESL5070W | 20W | 80 | 27 2700K | W White | Tr Tridonic | ND Non Dim |
| | 30W | 90 | 30 3000K | B Black | Ph Philips | TD Triac Dim |
| | 40W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | Lt Ltech | DA DALI Dim |
| | | | 50 5000K | | Er EagleRise | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



LINEAR LIGHT LEO FAMILY

APPLICATION

The Leo LED Family combines modern aesthetic elegance with high performance and energy efficiency, design flexibility. Suitable for airports, stores, Showrooms, homes, offices, schools, hospitals, libraries, subways, etc...

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

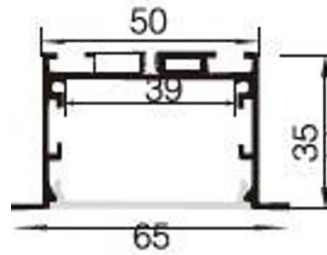


TECHNICAL INFORMATION

| FAMILY | LEO |
|----------|---|
| WATTAGE | 20W 30W 40W , As Per Customer require |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| EFFICACY | >75lm/W |
| LUMEN | 1500lm 2250lm 3000lm , As Per Customer require |
| FINISH | Silver |
| MATERIAL | Die Casting Aluminum Body, PMMA Diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|-----------|-------|--------------------|
| AESL5035W | 20W | L100mm*W65mm*H35mm |
| AESL5035W | 30W | L100mm*W65mm*H35mm |
| AESL5035W | 40W | L100mm*W65mm*H35mm |

Installation
Recessed

ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|-----------|---------|-----|----------|-------------|--------------|---------------|
| AESL5035W | 20W | 80 | 30 | S | Ph | ND |
| AESL5035W | 20W | 80 | 27 2700K | S Silver | Tr Tridonic | ND Non Dim |
| | 30W | 90 | 30 3000K | | Ph Philips | TD Triac Dim |
| | 40W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | Lt Ltech | DA DALI Dim |
| | | | 50 5000K | | Er EagleRise | |
| | | | 57 5700K | | | |
| | | | 60 6000K | | | |
| | | | 65 6500K | | | |



LINEAR LIGHT LEO FAMILY

APPLICATION

The Leo LED Family combines modern aesthetic elegance with high performance and energy efficiency, design flexibility. Suitable for airports, stores, Showrooms, homes, offices, schools, hospitals, libraries, subways, etc...

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver

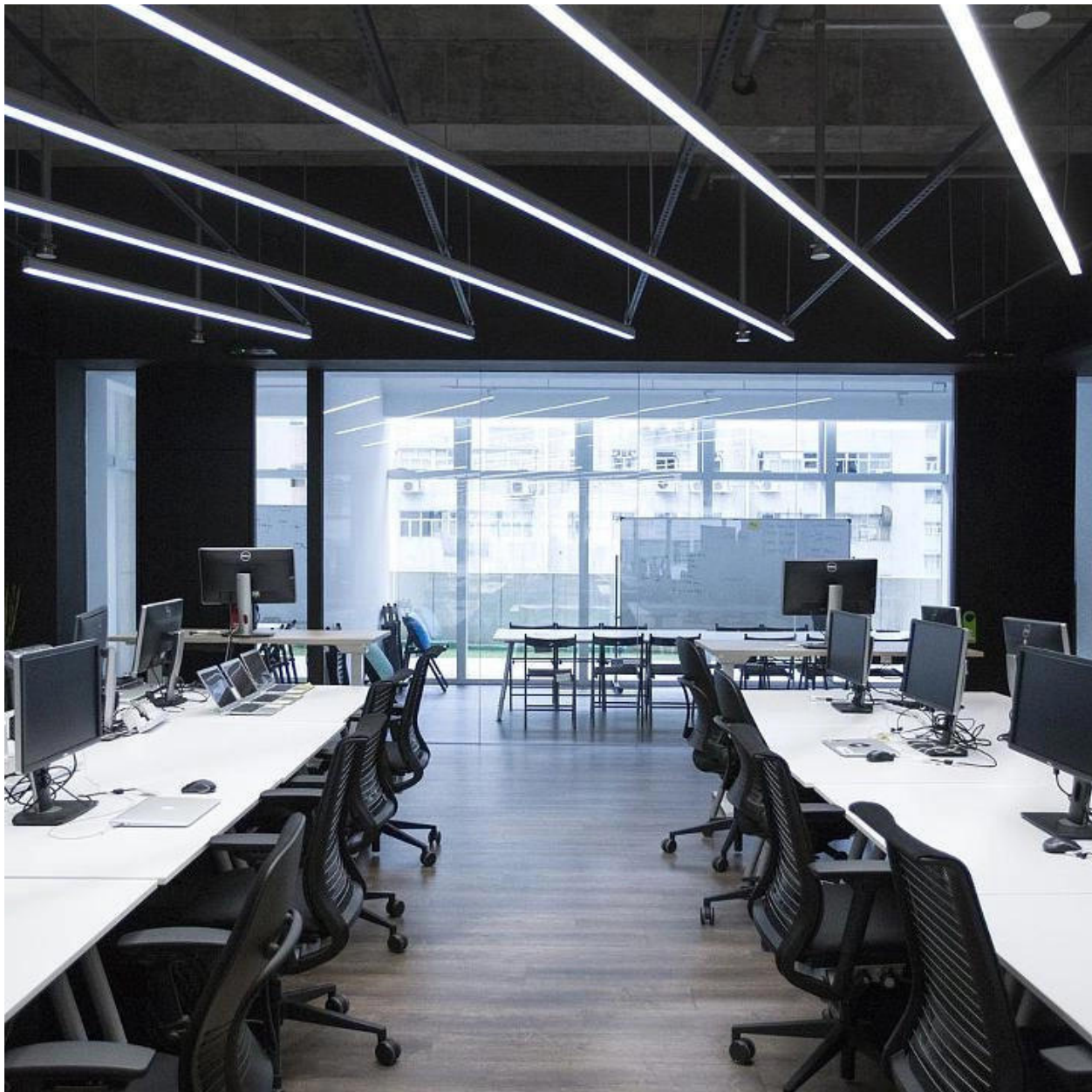


TECHNICAL INFORMATION

| FAMILY | LEO |
|----------|---|
| WATTAGE | 40W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6500K |
| EFFICACY | >80lm/W |
| LUMEN | 3200lm |
| FINISH | Silver |
| MATERIAL | Aluminum Body, PMMA Diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

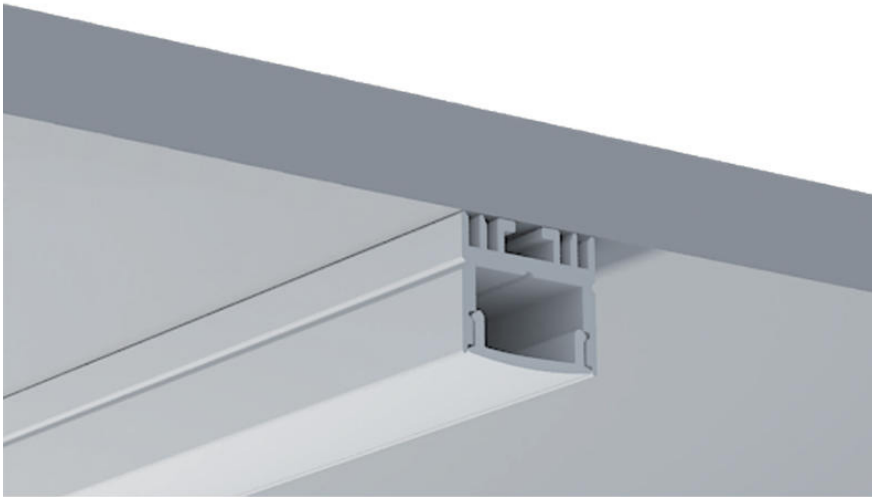
CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|-----------|-------|--------------------|
| AESL8035W | 40W | L100mm*W80mm*H35mm |

Installation
Suspended

ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|-----------|---------|-----|----------|-------------|--------------|---------------|
| AESL8035W | 40W | 80 | 30 | S | Ph | ND |
| AESL8035W | 40W | 80 | 27 2700K | S Silver | Tr Tridonic | ND Non Dim |
| | | 90 | 30 3000K | | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | Lt Ltech | DA DALI Dim |
| | | | 50 5000K | | Er EagleRise | |
| | | | 57 5700K | | | |
| | | | 65 6500K | | | |



LINEAR LIGHT LEO FAMILY

APPLICATION

The Leo LED Family combines modern aesthetic elegance with high performance and energy efficiency, design flexibility. Suitable for airports, stores, Showrooms, homes, offices, schools, hospitals, libraries, subways, etc...

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver



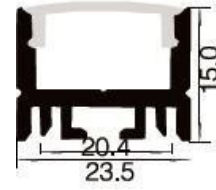
TECHNICAL INFORMATION

| FAMILY | LEO |
|----------|---|
| WATTAGE | 10W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| LUMEN | >100lm/W |
| FINISH | White Black |
| MATERIAL | Die casting Aluminum Body, PMMA Diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|---------|-------|-------------|
| AES2415 | 10W | W23.5*H15mm |

SURFACE MOUNTED



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|---------|---------|-----|----------|-------------|--------------|---------------|
| AES2415 | 10W | 80 | 30 | W | Ph | ND |
| AES2415 | 10W | 80 | 27 2700K | W White | Tr Tridonic | ND Non Dim |
| | | | 30 3000K | B Black | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | Lt Ltech | DA DALI Dim |
| | | | 50 5000K | | Er EagleRise | |
| | | | 57 5700K | | | |
| | | | 60 6000K | | | |
| | | | 65 6500K | | | |



LINEAR LIGHT LEO FAMILY

APPLICATION

The Leo LED Family combines modern aesthetic elegance with high performance and energy efficiency, design flexibility. Suitable for airports, stores, Showrooms, homes, offices, schools, hospitals, libraries, subways, etc...

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driver



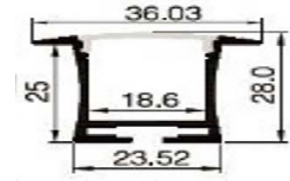
TECHNICAL INFORMATION

| FAMILY | LEO |
|----------|---|
| WATTAGE | 10W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 5700K 6000K 6500K |
| LUMEN | >100lm/W |
| FINISH | White Black |
| MATERIAL | Die casting Aluminum Body, PMMA Diffuser |
| DRIVER | Tridonic Philips Lifud Ltech EagleRise |

CUTOUT & DIMENSION

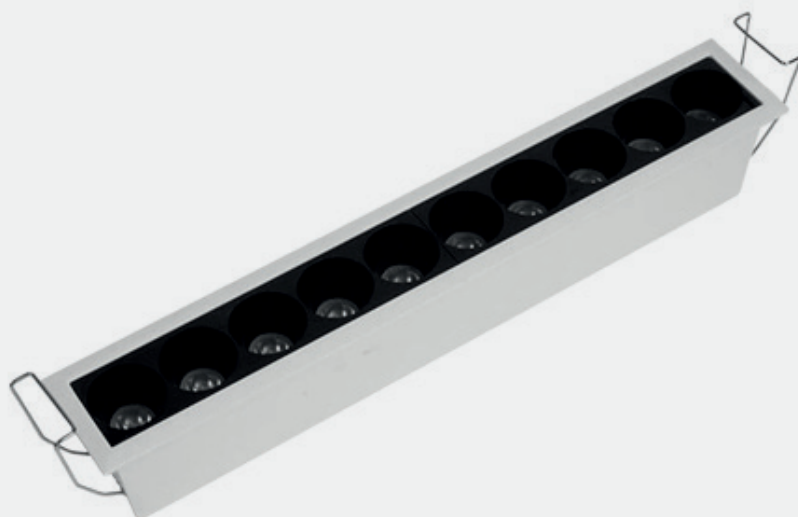
| MODE | POWER | DIMENSION |
|---------|-------|-------------|
| AES2428 | 10W | W23.5*H15mm |

RECESSED MOUNTED



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|---------|---------|-----|----------|-------------|--------------|---------------|
| AES2428 | 10W | 80 | 30 | W | Ph | ND |
| AES2428 | 10W | 80 | 27 2700K | W White | Tr Tridonic | ND Non Dim |
| | | | 30 3000K | B Black | Ph Philips | TD Triac Dim |
| | | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | Lt Ltech | DA DALI Dim |
| | | | 50 5000K | | Er EagleRise | |
| | | | 57 5700K | | | |
| | | | 60 6000K | | | |
| | | | 65 6500K | | | |



Strong electroplate spring



Double anti-dazzle design



Aluminum radiator has fast heat dissipation

LINEAR LIGHT LASER FAMILY

APPLICATION

Recessed LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

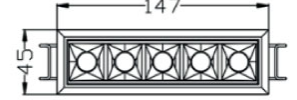
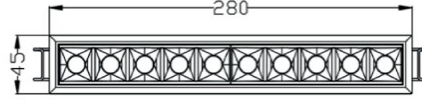
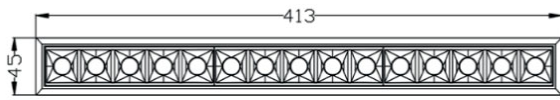
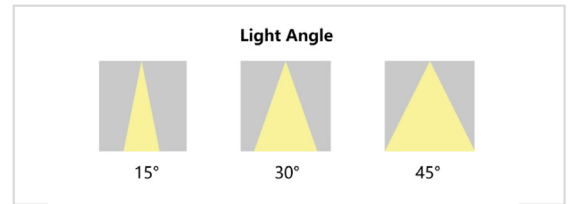
TECHNICAL INFORMATION

| FAMILY | LASER |
|----------|---|
| WATTAGE | 10W 20W 30W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 6000K 6500K |
| BEAM | 15° 30° 45° |
| LUMEN | 800 lm 1600 lm 2400 lm |
| FINISH | White |
| MATERIAL | Aluminum |



CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|------------|-------|----------------|
| AESXTD-12W | 10W | L147xW45xH49mm |
| AESXTD-20W | 20W | L280xW45xH49mm |
| AESXTD-30W | 30W | L413xW45xH49mm |



ORDERING INFORMATION

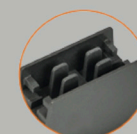
| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|--------|---------|-----|----------|-------------|--------------|---------------|
| AESXTD | 10W | 80 | 30 | W | Ph | ND |
| AESXTD | 10W | 80 | 27 2700K | W white | Tr Tridonic | ND Non Dim |
| | 20W | 90 | 30 3000K | | Ph Philips | TD Triac Dim |
| | 30W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | LT Ltech | DA DALI Dim |
| | | | 50 5000K | | ER EagleRise | |
| | | | 60 6000K | | | |
| | | | 65 6500K | | | |



Strong electroplate spring



Double anti-dazzle design



Aluminum radiator has fast heat dissipation



LINEAR LIGHT LASER FAMILY

APPLICATION

Recessed LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

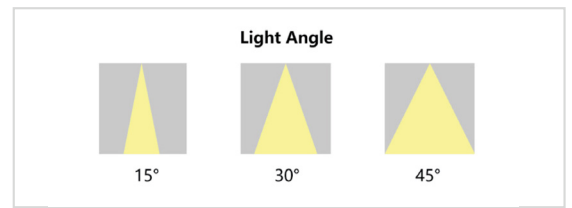
2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

| FAMILY | LASER |
|----------|---|
| WATTAGE | 8W 15W 24W |
| CRI | 80 90 |
| CCT | 2700K 3000K 3500K 4000K 5000K 6000K 6500K |
| BEAM | 20 °34° |
| LUMEN | 640 lm 1200 lm 1920 lm |
| FINISH | White |
| MATERIAL | Aluminum |

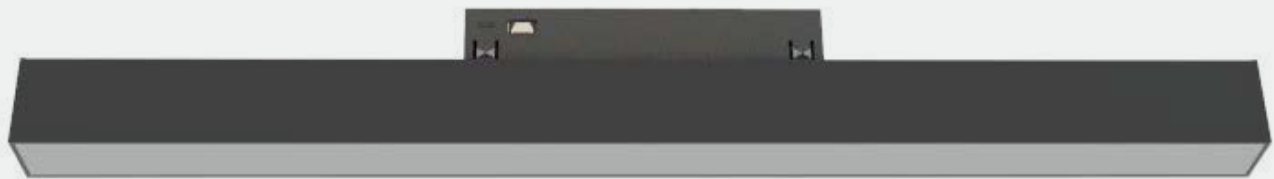
CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|-------------|-------|------------------|
| AESXTD9-8W | 8W | L95xW45xH49.5mm |
| AESXTD9-15W | 15W | L174xW45xH49.5mm |
| AESXTD9-24W | 24W | L333xW45xH49.5mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|---------|---------|-----|----------|-------------|--------------|---------------|
| AESXTD9 | 8W | 80 | 30 | W | Ph | ND |
| AESXTD9 | 8W | 80 | 27 2700K | W white | Tr Tridonic | ND Non Dim |
| | 15W | 90 | 30 3000K | | Ph Philips | TD Triac Dim |
| | 24W | | 35 3500K | | Lf Lifud | VD 0/1-10VDim |
| | | | 40 4000K | | LT Ltech | DA DALI Dim |
| | | | 50 5000K | | ER EagleRise | |
| | | | 60 6000K | | | |
| | | | 65 6500K | | | |



LINEAR LIGHT MAGNETIC SPOT FAMILY

IP20



APPLICATION

Recessed LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

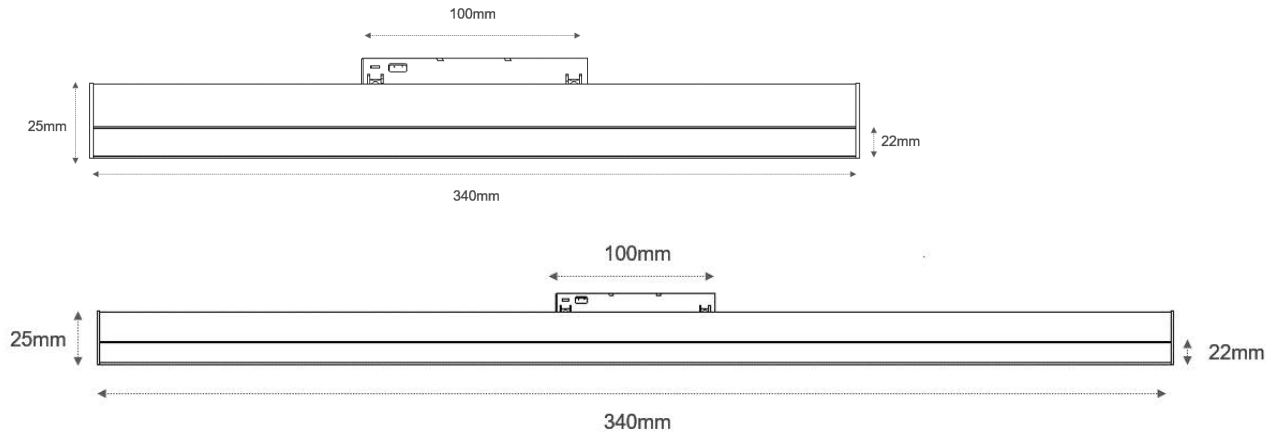
TECHNICAL INFORMATION

| FAMILY | LASER |
|----------|-----------------------|
| WATTAGE | 12W 24W |
| CRI | 80 90 |
| CCT | 3000K 4000K 5000K |
| BEAM | 105° |
| LUMEN | 80lm/W |
| FINISH | White Black |
| MATERIAL | Aluminum |

LED SPOT LINEAR

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|----------|-------|----------------|
| AESDF340 | 12W | L340*W22*H25mm |
| AESDF680 | 24W | L680*W22*H25mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|----------|---------|-----|----------|-------------|-------------|---------------|
| AESDF680 | 24W | 80 | 30 | W | Ph | ND |
| AESDF340 | 12W | 80 | 30 3000K | W white | Tr Tridonic | ND Non Dim |
| AESDF680 | 24W | 90 | 40 4000K | B Black | Ph Philips | TD Triac Dim |
| | | | 50 5000K | | Lf Lifud | VD 0/1-10VDim |
| | | | | | LT Ltech | DA DALI Dim |



LINEAR LIGHT

MAGNETIC SPOT FAMILY

IP20



APPLICATION

Recessed LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driver

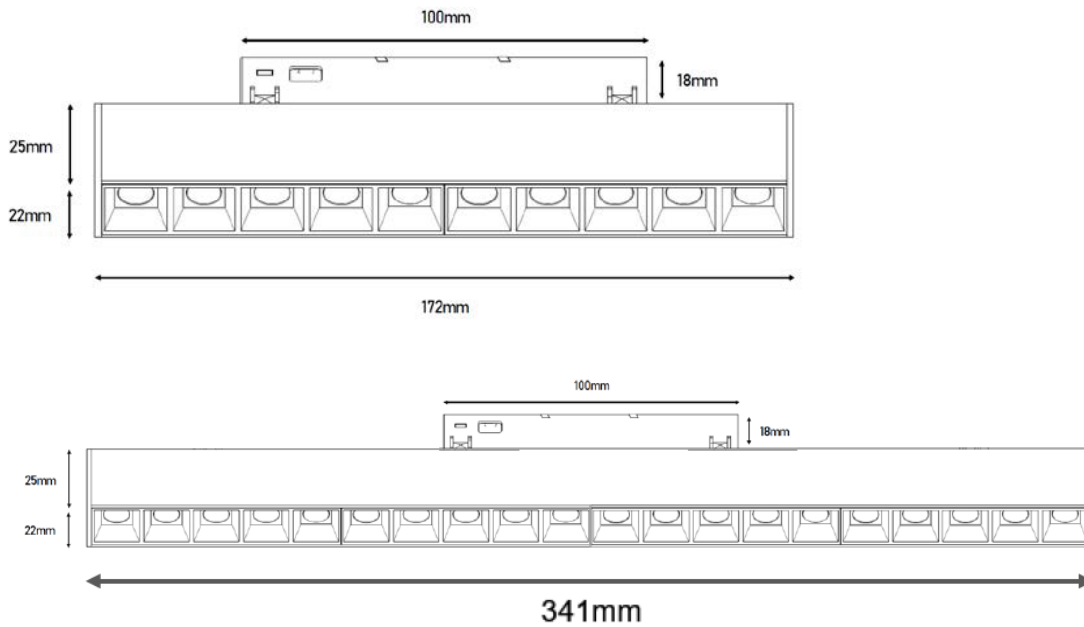
TECHNICAL INFORMATION

| FAMILY | LASER |
|----------|-----------------------|
| WATTAGE | 10W 20W |
| CRI | 80 90 |
| CCT | 3000K 4000K 5000K |
| BEAM | 30° 45° |
| LUMEN | 85lm/W |
| FINISH | White Black |
| MATERIAL | Aluminum |

LED SPOT LINEAR

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|---------|-------|----------------|
| AESLB10 | 10W | L172xW22xH25mm |
| AESLB20 | 20W | L341xW22xH25mm |



ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|---------|---------|-----|----------|-------------|-------------|---------------|
| AESLB10 | 10W | 80 | 30 | W | Ph | ND |
| AESLB10 | 10W | 80 | 30 3000K | W white | Tr Tridonic | ND Non Dim |
| AESLB20 | 20W | 90 | 40 4000K | B Black | Ph Philips | TD Triac Dim |
| | | | 50 5000K | | Lf Lifud | VD 0/1-10VDim |
| | | | | | LT Ltech | DA DALI Dim |



LINEAR LIGHT

MAGNETIC SPOT FAMILY



APPLICATION

Recessed LED down light with high quality aluminum body, Small and simple design to meet different requirement, with multiple beam angle choices, excellent heat dissipation capability. You can install it in: supermarket, stores, halls, Hotel, Kitchen, Meeting Room, Shopping Mall, etc....

APPROVALS & STANDARDS

| | |
|---------------------------------|--|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting products |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

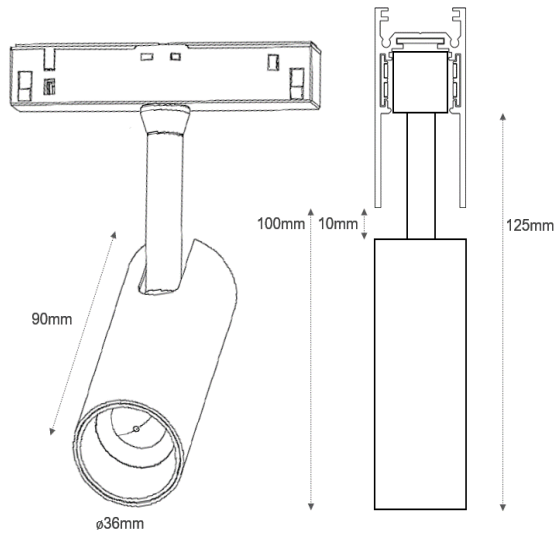
2) type of approvals and certificates depends on selected driver

TECHNICAL INFORMATION

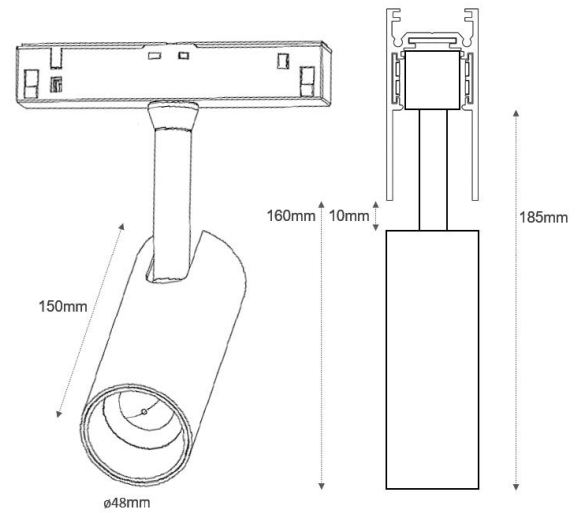
| FAMILY | LASER |
|----------|-----------------------|
| WATTAGE | 5W 7W 9W 12W |
| CRI | 80 90 |
| CCT | 3000K 4000K 5000K |
| BEAM | 24° |
| LUMEN | 85lm/W |
| FINISH | White Black |
| MATERIAL | Aluminum |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|---------|-------|---------------|
| AESTL5 | 5W | ø36x90x125mm |
| AESTL7 | 7W | ø36x90x125mm |
| AESTL9 | 9W | ø48x150x185mm |
| AESTL12 | 12W | ø48x150x185mm |



AESTL5 AESTL7



AESTL9 AESTL12

ORDERING INFORMATION

| MODEL | WATTAGE | CRI | CCT | FRAME COLOR | DRIVER TYPE | DIMMING |
|---------|---------|-----|----------|-------------|--------------|---------------|
| AESTL5 | 5W | 80 | 30 | W | Ph | ND |
| AESTL5 | 5W | 80 | 30 3000K | W white | Tr Tridonic | ND Non Dim |
| AESTL7 | 7W | 90 | 40 4000K | B Black | Ph Philips | TD Triac Dim |
| AESTL9 | 9W | | 50 5000K | | Lf Lifud | VD 0/1-10VDim |
| AESTL12 | 12W | | | | LT Ltech | DA DALI Dim |
| | | | | | ER EagleRise | |



EXIT LIGHT

APPLICATION

Exit light is a glowing safety sign that features common symbols like a running person and arrows to show the way to the closest emergency exit. It uses electricity from the main power supply and has a battery backup which keeps

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

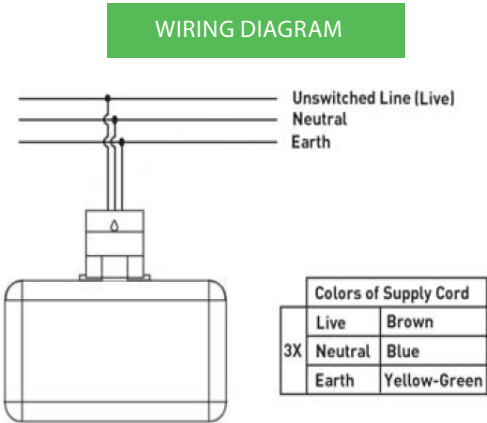
1) certificates are under process 2) type of approvals and certificates depends on selected driv-

TECHNICAL INFORMATION

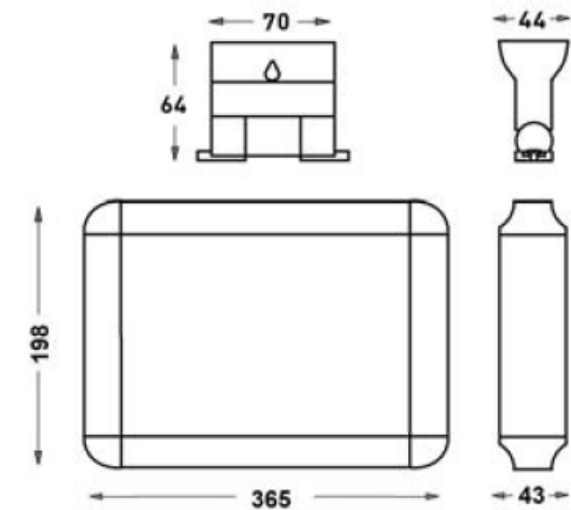
| FAMILY | EXIT |
|--------------|-----------|
| WATTAGE | |
| FINISH | White |
| MATERIAL | Aluminum |
| WORKING TEMP | 0° to 40° |

CUTOUT & DIMENSION

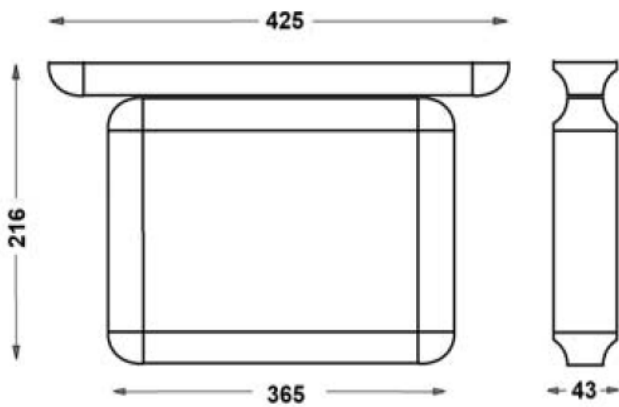
| MODEL | POWER | DIMENSION |
|--------------|-------|---------------------|
| AEST06-CBS | | L365mm*W43mm*H168mm |
| AEST06SA-CBS | | L425mm*W43mm*H186mm |
| AEST07-CBS | | L365mm*W43mm*H168mm |
| AEST07SA-CBS | | L425mm*W43mm*H186mm |



TECHNICAL DRAWING / SURFACE MOUNTED



TECHNICAL DRAWING / RECESSED MOUNTED



ORDERING INFORMATION

- MODEL
- AEST06-CBS
 - AEST06SA-CBS
 - AEST07-CBS
 - AEST07SA-CBS



EXIT LIGHT

APPLICATION

Exit light is a glowing safety sign that features common symbols like a running person and arrows to show the way to the closest emergency exit. It uses electricity from the main power supply and has a battery backup which keeps

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driv-

TECHNICAL INFORMATION

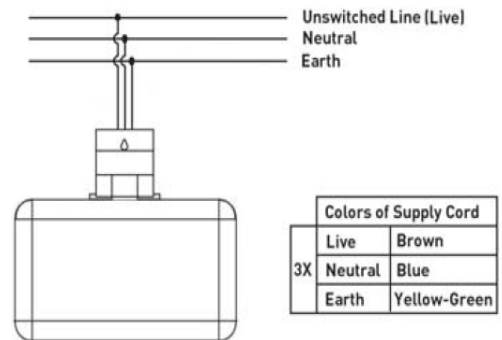
| FAMILY | EXIT |
|--------------|-----------|
| WATTAGE | |
| FINISH | White |
| MATERIAL | Aluminum |
| WORKING TEMP | 0° to 40° |

EXIT LIGHT

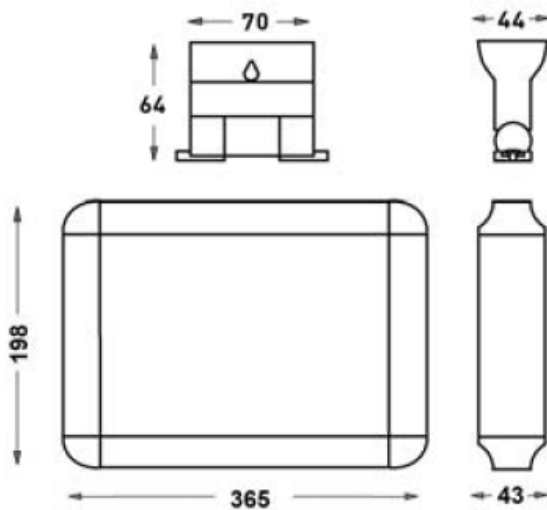
CUTOUT & DIMENSION

| MODEL | POWER | DIMENSION |
|--------------|-------|---------------------|
| AEST06-CBS | | L365mm*W43mm*H168mm |
| AEST06SA-CBS | | L425mm*W43mm*H186mm |
| AEST07-CBS | | L365mm*W43mm*H168mm |
| AEST07SA-CBS | | L425mm*W43mm*H186mm |

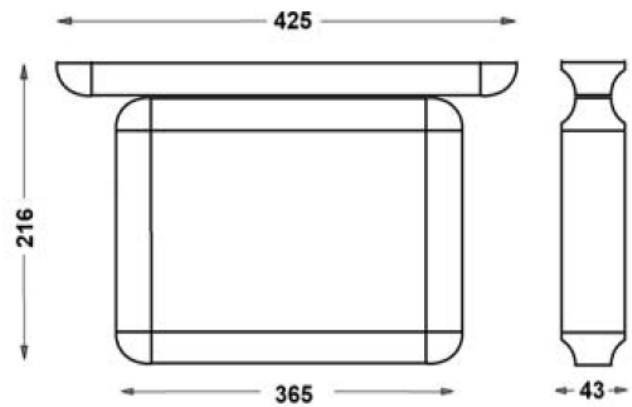
WIRING DIAGRAM



TECHNICAL DRAWING / SURFACE MOUNTED



TECHNICAL DRAWING / RECESSED MOUNTED



ORDERING INFORMATION

| MODEL | WATTAGE | FRAME COLOR |
|--------------|---------|-------------|
| AEST06-CBS | | W |
| AEST06SA-CBS | | W white |
| AEST07-CBS | | |
| AEST07SA-CBS | | |



EMERGENCY LIGHT

IP40



APPLICATION

These luminaires are for indoors use, only (ta 50oC) where emergency luminaires (CBS) are needed. Each luminaire must be permanently connected to mains power supply

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process

2) type of approvals and certificates depends on selected driv-

TECHNICAL INFORMATION

| FAMILY | EMERGENCY |
|--------------|-------------|
| WATTAGE | 5W |
| WORKING TEMP | -30° to 50° |
| LUMEN | 500lm |
| FINISH | White |
| MATERIAL | ABS, PC |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|---------------|-------|------------------|
| AES-EM-5W-CBS | 5W | 322 x 162 x 58mm |

ORDERING INFORMATION

| MODEL | WATTAGE | FRAME COLOR |
|---------------|---------|-------------|
| AES-EM-5W-CBS | 5W | W |
| AES-EM-5W-CBS | 5W | W white |



EMERGENCY LIGHT

APPLICATION

These luminaires are for indoors use, only (ta 50oC) where emergency luminaires (CBS) are needed. Each luminaire must be permanently connected to mains power supply

APPROVALS & STANDARDS

| | |
|---------------------------------|---|
| Saudi Standard SASO 2902 | Energy Efficiency, functionality & labeling requirements for lighting |
| IECEE Certificate (1) | As per IEC60598-2-3:2002+A1:2011, IEC60598-1:2014+A1:2017 |
| Power Supply Approval Marks (2) | UL/CSA/CE/ENEC/CCB/CCC |
| Degree of Protection (IP) | IEC 60529:2013 |

1) certificates are under process 2) type of approvals and certificates depends on selected driv-

TECHNICAL INFORMATION

| FAMILY | EMERGENCY |
|--------------|-------------|
| WATTAGE | 8W |
| WORKING TEMP | -30° to 50° |
| LUMEN | 1000lm |
| FINISH | White |
| MATERIAL | ABS, PC |

CUTOUT & DIMENSION

| MODE | POWER | DIMENSION |
|---------------|-------|------------------|
| AES-EM-8W-CBS | 8W | 322 x 162 x 58mm |

ORDERING INFORMATION

| MODEL | WATTAGE | FRAME COLOR |
|---------------|---------|-------------|
| AES-EM-8W-CBS | 8W | W |
| AES-EM-8W-CBS | 8W | W white |



Catalogue 1.6

Advanced Energy Solutions

Head Quarter

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